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395

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405

&lt;210&gt; 1853&lt;211&gt; 406&lt;212&gt; DNA&lt;213&gt; Homo sapien

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406

&lt;210&gt; 1854&lt;211&gt; 408&lt;212&gt; DNA&lt;213&gt; Homo sapien

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408

&lt;210&gt; 1855&lt;211&gt; 396&lt;212&gt; DNA&lt;213&gt; Homo sapien

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396

&lt;210&gt; 1856&lt;211&gt; 402&lt;212&gt; DNA&lt;213&gt; Homo sapien

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402

&lt;210&gt; 1857&lt;211&gt; 394&lt;212&gt; DNA&lt;213&gt; Homo sapien

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394

&lt;210&gt; 1858&lt;211&gt; 402&lt;212&gt; DNA&lt;213&gt; Homo sapien

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402

&lt;210&gt; 1859&lt;211&gt; 159&lt;212&gt; DNA&lt;213&gt; Homo sapien

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159

&lt;210&gt; 1860&lt;211&gt; 403&lt;212&gt; DNA&lt;213&gt; Homo sapien

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180cttagtccat tttccattac ttagaatate caaaagttag taatttataa agaaaattaa  
240tttatttctt acagctatgg aggccaaagg cgaggggaca tatctgggtc gcgctttgcc  
300atgttgggtca ggctgggtct gaactcctga cctcaaggcc tgccttggcc tcccaaagtg  
360ctgggattac aggcataagc caccgtgccc agccacctct gag

403

&lt;210&gt; 1861&lt;211&gt; 402&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg cttttgcaac cactgatggg aggaacagag agcagcattt cagaaccagg  
60ttctccttcg aggaacagag aaaatgaaac cagcagacag aatttgctag atggaatttc  
120actcttggtg ccagggctgg agtgcaatgt cgcgatcttg gctcactgca acctccacct  
180cccgggttca agcgattctc ctgccccagc ctcccagtag gctgggatta caagcacctg  
240ccaccatgcc agagtaattt ttgtattttt agtagagatg ggttttcgcc atgttggcca  
300gactgggtct aaacccctga cctcagatga ttcattccacc tcggcctccc aaagtgtggt  
360gattacaggc atgagccacc aggcctggcc cattctgtct tc

402

&lt;210&gt; 1862&lt;211&gt; 440&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc ggaacttta ttaagtga ttaacctgag ataaaaattt ctattgacta  
60gaaatcccag tctatttcag atctccccct ccaatctcct atatgtagaa gtgtgacttt  
120tgcacttgat atttttccct tatgggtggga gttcattttc ctctcagagt aatgtcatct  
180gtttttcttaa aggccttct tagataccga aatttacaaa ccattaaata aattgagagc  
240ctgaaaaaagt tgtacttgtg acaaagcctc tcaactgacac ctacagaaca gcctcctctg  
300ctattgagtc acttgaccgg gatctgtatc tcctcacaaa gctactatcc aggcctatct  
360tagggctctg ggacctctgc tgagatcact cgtaaatata gtcattgtct atgtgccagc  
420agcagttaaa ttctatccct

440

&lt;210&gt; 1863&lt;211&gt; 413&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt ggcttcgcct ttgaccttta tgctgggtct ggctgaggtg acacgctagt  
60gacagcccaa taggggggta cccttattga gtaaaatact tcagattgac agctcaatct  
120tagtttgcct ccagttatc ttttatgctt agggattaaa tgtgtggttt ttttttgtt  
180tttttttttg gaaacggagt ctgcgtttgt caccaggtt ggagtgcagg ggcgcgatct  
240cgggttaattg aaacctctgc ctccgggggt caaacgattt tcctgcctca ccctcccaag  
300aagctgggat tataggcccc caccaccatg cctggctgat tttttatttt tagaaaagat  
360gggggtttcac cgggtgggcc aggtgtgtct cgaactcctg acctcgggat can

413

<210> 1864<211> 408<212> DNA<213> Homo sapien  
cactccttgg ctatctcaat ccatttccct ggatcctgaa tcaataggaa cgtgttacaa  
60tgtttgcctca ttcttgcctg cttttaagta ttttgaataa gctaggcaat taaaaaaaaat  
120tttttaagag tgcttcataa gatgaatgga aggttaagtt gctgactaat attcttggat  
180ccagaatatt agtccttcac tttatggct tgtacatagc ttaagctaac caactctttt  
240ttctcatatg agagtaatat ataaattttg agttatagga ggcatagaata ttttcattac  
300attttccgta agtcctttta gaagagtgtc ttctatttca gacattgttg acctgaaaat  
360ctcttaaaat ctgtctgcca tcctgtggta gtgatggcct cacacagg  
408

<210> 1865<211> 389<212> DNA<213> Homo sapien  
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120cctatagtgc aggtactga ggagcctgat gtaggaggat cacgtgaccc cagtagtttg  
180aggctgcagt gagctatgat cctaacactg ttctccagcc tgggtgacac accatgttga  
240catctcttcg aaaaaggaat ctacagacat cagtgtgtgc acaagcatgg cttgtgaatt  
300tggaggtgtg tatgtgcgta gctgtgtcga agaattgttt gatgattata ccttctcaga  
360atgaaggtaa ttattttttt ctttttttn  
389

<210> 1866<211> 398<212> DNA<213> Homo sapien  
ggcacgaggt ttaaagtttt aaaaaaactt ccaagattat ggataagccg gattttctctc  
60atgcttatga ttagggagtt aggtattaaa gatgcaaagc agaaggactg aaaggaatag  
120ccagtgaata tgtttcagtg ggggaggtgt gaaagctttt ctaataataa tcgttgctat  
180ggcctgtgac tgcttattct ttatcaatga gaactacca aactagtctt tttcttgatc  
240tgaggaacca cacagctcac atgagaatat actactggga ctagggtgac ttcactccct  
300ttcacctgag gcctatcttg gccttttagc accttgacta tctatgaaaa gactgggtct  
360ttgttttccc atgtataaaa atgatgtgtt ggataatt  
398

<210> 1867<211> 410<212> DNA<213> Homo sapien  
cgttgctgtc gaaactgcca cggccacgag gagtctaagg acacatccaa tttccattcg  
60catccaaaat ggaatccgag acagaaagag gaccttagcc ttcatatctg tttttttctt  
120atgaagcttc ttctgggttg aaacttgta aatttcatca ggtaagaagt gctaaagtga  
180acctgtaaac tttgtttcaa aaaacaaaaa ccgaagtta agaatctaa agatgggtgc  
240agccttagac agatctcttg actgtaatat gggaaaggtc aaataagatc tccaatcgtg  
300tacaattcca aatacatttg agagcagtgg gtctgaaaat gtggttccca gaccagcagc  
360atcaacacca tgaaggaagt tgtaaaaaat gcaaattctc aggtctccn  
410

<210> 1868<211> 387<212> DNA<213> Homo sapien  
cgttgctgtc ggattcttta atattcttac tttcataaat agtgttgtag tgaaggtaat  
60tgattcatga ggaatatttt ccacatgttt ttctgcattg ggggaacatg ttcatatagc  
120acattattaa gactgctggc caggcgcggt ggctcacgcc tgtaatccca gcacctgga  
180aggccaaagc aagtggatca ctttaggtca ggaattcaag accagcctgg ccaacatggt  
240gaaacccac ctctactaaa aatacaaaaa ttatccgggg gtggtgactc atgtacctgt  
300aattccagct acttgggagg ctgagacatg ataactactt gtaccaggg agcggaggtt  
360gcagtgaact gagatcctgt cactgtn  
387

<210> 1869<211> 405<212> DNA<213> Homo sapien  
ggcacgagga gagagagaga gagagagagt gaggtagaga gagagagaga gagagagaga  
60gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga  
120gagagagaga gagagagaga cccccctctt tctctcgccc cctgtgttt tttttttgt  
180gtcaccccc cccccctct atgtgtggt ctatgtgttt ttaccccc ccccccccc  
240ctctttttgt tctctcacac aaaatgtgt ctcttttctc tctctctac ccacataaa  
300gatatttatg ttccctctct tttctttctc tgcgcgccc cccgcgcgt tttctctct  
360ctctctctc gcgcgccaca tctctctctc tctccccgcg ggggc  
405

<210> 1870<211> 403<212> DNA<213> Homo sapien  
cgttgctgtc gcctactggt actttgtatt taagatgata gtccaggtgc tcaggccact

60ttaaagattg ctctaaactg tatggtgaag ttggccaagg gcaggcccca tcttagccag  
120tcagtagttg agaccttgtt gactcaattg cacagtgtc aagacgctgc ccggattttg  
180atgtgccatt gcctggcagc cattgccatg caactgccg tgctgggtga tgggatgctt  
240ggtgacctca tggagctgta caaggtgatt ggacgatcag ccacagacaa gcaacaagaa  
300cttctgggtga gtttggctac tgtgattttt gttgcaagtc ataaggcatt gtctgtggaa  
360agtaaggcag taattaagca gcagcttgaa agtgtctcca atg  
403

<210> 1871<211> 401<212> DNA<213> Homo sapien

atcggcacga gattttatat gaccataatg tttgtgtgtg ttttgcacct tcagccctt  
60gttattggc cgtatattac ctgtaagcag atactgtatt ttattttagc ctatttgaca  
120gaacacatca ctcagaaaaa gtgaagtttc agagcaaaca gtgaagaaat cagtgtgatt  
180gtagacatca agtcagtta cagaacggag cagcggggag aggaaggga aagcttcata  
240gtttgggtgct tatcacatca agagattggt aaatttttga tgaaagacag gctaattggg  
300ctctgaaatg gaacaactcc tttaaacgtg cagcctttt aatttttcct cacaaccaag  
360aagttgacct ctgagctgtc aggtgaccac tgtgtgcaaa g  
401

<210> 1872<211> 385<212> DNA<213> Homo sapien

gcacgaggtg acgtgggtcat agctcactgc agcctcaacc tcttgggctc aagtgacct  
60cctgcctcag cctcccaaag ttctgagatg ataggcatga gccattgtgc ctagcctatt  
120ttgatttttt tcttaaagtc aaggtcttgc tctgttggcc aggtgatct tggacttgcc  
180agccaccatg cctggctggg ttttttacia atagaatctc actgatagcc tgcaggagac  
240agatgcagcg cctgcttccg tatcagtcca aggagccctc gtgtttgcca cctttacctt  
300tgaacctccc cctgcctccc tgctgtgtc cgcttttgca gctcaatgcg gccatgacaa  
360ggagagaaaa gacactggaa ggccc  
385

<210> 1873<211> 404<212> DNA<213> Homo sapien

ccggtgctgg cggatcttct ctaatatattt atttgccaca ggctttattt tgaatatgct  
60gctagatttt atttaggggg ctgtgcatta tgaaggcttc tttatagagg cccaataaga  
120atgccttttt ataaagcctg tgcatttagg taggttgaag ctaggaggat tttctttata  
180atgtctcttt gcatgtaaag cacaagtat gtttcagttt aatgcactt cttccgggta  
240atttttatgg ggaagacaag tgagtcacaa acattctgtt gaagggaat ctaaccagat  
300gcttgaaaga gcacagccca aataaaacaa ggactgacta ggtgtaatga aataacctgt  
360gattaaaaag aagagctgca gctttgacag tgcttattta aaga  
404

<210> 1874<211> 401<212> DNA<213> Homo sapien

ggcacgagga ggtacaaaac ttgggatcaa atggaatctt gattcactaa ccaatttaag  
60agctgacttc taatttttagg aactttgggt tatgaacgct tccattttat acctgtgtct  
120agtttagtttc tgcttatcta tccgagaagc ttttatcaag ggtacaccat gtgccagcca  
180ctgaagtaga tataaatata aggatgtgta aggtatggat gatggtatac gaactggcat  
240cttactggat ttgtccgctc tgttaaagat actgatccga aaacttttta aagccctaga  
300gagggcttta aggcaatgta gcatcatata tagaggcatc aacctgttca tatctttcta  
360tttaacagaa ctgtgtcctt gggcacaagg gtgtgcacaa a  
401

<210> 1875<211> 397<212> DNA<213> Homo sapien

ttattccgtt gctgtcggct tcaggtatca aggttagctt tgggaaccag actacagatg  
60agacagctga aagcaaagag gctgaggcgg agcacagacc aaaaaagagt ctcaggggag  
120aagaagggaa gctagtaagc aacttatagg gggcagtgtg agaaatgtca catgttacat  
180cgctcacaca gagaagcaga atttatcaat tttcaaaggg aaaatgtctc tgtctactga  
240caaggattta atttttgctt tttttttttt tgaaaagggg gcatattttg tttcccaggg  
300cgggagtaat gggataaaat ttggtttatt tgaagctccc cctcccgggt taaaaccatt  
360ttttgggttt aaacctcaa gtagctggga ataacgg  
397

<210> 1876<211> 465<212> DNA<213> Homo sapien

gggaccgaag aatcaccgan nttnnnatag gatcccagtc cgttgttgtc gctggagtgc  
60agcggcacta tctcagttta ctgcaacctc cgcttctgg gtgcacgtga ggctcttgcc  
120tttagcctctt tgtagctggg actacaggca cgtgccacca tgctgggcta atttttgtat

180ttttttaaata gagacggggt ttcactgtgt tggccaggct ggtctcgaac acctgacctc  
240aggtgatcca ttcgtcttgg cctctcgaag tgctgggatt ccaggcgtga gccactgcgg  
300ccagcacatt tccactttta gactctactc cataccacag gtttcattta agaagaaaga  
360gctagataaa tgtgctcttc tggttacccc acctgacag agtgcatttt tacacggcta  
420gcaggggttg agactgcagc ctggcctgcc agccattgga ggtgg  
465

<210> 1877<211> 388<212> DNA<213> Homo sapien

cgttgctgtc ggtgtaagac aatcagatat ggtgaggcct gtgttaaact gggcatcttg  
60ttgccatata gaagagatct tctctttctta cggatttatt tctctttttt cgtgctttgt  
120agcaaacata agacattttt agcacacctc tcttttaata gtactattct tgtgtggcaa  
180gtactattct tgtgtgacaa gagaactact gagccacaga gtgacgatca aaagctaggc  
240gtggaataaa ggtgtacaaa ccagctttgt gaccttgtgc aatcactgca cctgcctggc  
300ctcaactttc tcattgataa cataagaata gcaatgatgc tttctttata gggctgaggt  
360gacgattaag agttaatata gaacttag  
388

<210> 1878<211> 429<212> DNA<213> Homo sapien

ggcacgagcg ccggccccag tccccatggg ctgaaggcag gttgagttct tccccaggtc  
60tgcgagcctc gaaggcttct ttcagacagc agaccctta caagcgcaag gctgctttct  
120gacaaagaat caagtgttcc tttcaaccag ccaagggact ggtgttctcg ctgacccttt  
180gacagctcca gccggtccct ccgttcgagg tccctgactt cctgcaacag actgagatgg  
240ccttctgagc ttttccaggg ctgacgacca ccttcttgat accttccct ctctcgatct  
300gaatccgtgc ccaccagatg gggccgtcta gttgcaggaa aacaagctca gggctccac  
360tgattctaca tgatgggaat ccaggcttcc ggagatgagg actgggaggt cccccacca  
420cacaagcct  
429

<210> 1879<211> 433<212> DNA<213> Homo sapien

cgttgctgtc gggagctgct cccaccttcc tgacctacc cgtctgcacc attccccag  
60ctgggctgga aggttccata actggccagc tgccccata actggcagca ttcccagacc  
120caggggtactc taataggggc ggctcaggca ctgagactac cgctcaacc caggggtggtt  
180ttcaggagtc cgaggtagcc ttcaatcact ggactccatg gccttccctt cgtgttgacc  
240ggaccttctc tccagggttt ttcctttggg ggaggcggag aggggagaag aaggaagga  
300agggcagaag gaaggaggga agaaaagaaa gcaaggaac agaaggaag aaagaaagat  
360gggaggaagt gcagcaggaa tagcaccctc tccccgggag gccctagctt ccgtgagggg  
420ccatcaccag ccn  
433

<210> 1880<211> 422<212> DNA<213> Homo sapien

cctagcggcg cccgggtggc tgcagccgct ggcccgaaaa tgctgctcgg gcgagcaggg  
60gtcaggcggg aaaagaggac tccaaatcca ttctctgctc gccccaggg caatgctgcc  
120aggagagggg gtgggttccc ccgcaggcta tcccaccgat ggggctgaga gcttaactcg  
180gggttttatt tgaattggag acattgttcc ctcttcgctc ctctacccca taaaattccc  
240tacaaatgca aaaattccag atagaagaag ccgtccctga aagtaagttc tgaaggattc  
300ctttcatgcg gtgaaggaa aacaacaata ttcaacttca ccttggtgtg tgagggtcga  
360cgtgctttac aacactatcc ctgtagaaag attactgaaa tgtattggaa gaagtagtgg  
420ag  
422

<210> 1881<211> 418<212> DNA<213> Homo sapien

gtgagccgag attgcgccac tgcagtcgc agtccggcct gggcgacaga gcgagactcc  
60gtctcaaaaa aaaaaaaaaac ctgcccggg ggataaaaaa cccggggcct ttggcccagt  
120ttgggaagtt ttatggggga agaattgtta aactaaagcc ctttaggggtg gcggggcttt  
180ttaataatcc cgttttttac aacctgggca aaaaaataaa accccctttt taaaaaaag  
240aatattggcca aaacaagggg ccttaaccct tgaatcccaa ctttttgggg ggggtgaccg  
300gaaccattgg agtaaagaat ggggaaacag gccttgacaa aaaagcgaag acccattttt  
360tcaaaaacca aaaaggtaaa aaaaaattgg gtacgggggc ccagccctgg aaacccaa  
418

<210> 1882<211> 417<212> DNA<213> Homo sapien

cgttgctgtc ggaacatggg tttggctatg gcttgactca tgggctttca gtgctttttt



60ccatttgttg aaagtaacat ttctctctct ctctctttct attttttctt tttcaaaagc  
120aaacattggg tggggaagg gtcaaagcta ctttttgcg tattgggttt tttggccacc  
180cttccctttt ccaatggaag gccaggtaaa aaaaaccgcg ggaggggagg ctcatttttt  
240taatttttaa aaaagggggc cccagggtgg caaggcaata aaattggaaa tgaccctttt  
300gagaactttc gtttttgctt aaaaaacagc gggttgatga gaactcaaaa acctaaaaaa  
360gatttttagtc aaaggaggagg ctctttttct caccggacct ttaaaaaaaa aatggcg

417

&lt;210&gt; 1883&lt;211&gt; 393&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt gagctcttgg caggacctaa acctccttgg aagataggca gaaagctctc  
60gacaccattc catggccac gaaccaatgt aagatgagca aatggcttga aggaattgct  
120acctccaggt caagccaggg atgcagcact gccgagacca cgtttgtgcc aagcactggg  
180ctggaccctg tgcagaacca aatgaacaag gcacgttccc ctttcagcac taacggcact  
240gtaagaacag ggagaagtgg aatctaactt ggcctgagg tagagggtga tcagctaagt  
300ctgaaacacc atgtaaaaac ttgccatgta tggccgggag cggtggctca cgcctgtaat  
360cccagcgctt tgggaggcca aggtgggagg atc

393

&lt;210&gt; 1884&lt;211&gt; 185&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgctctcatt gattagtga acggacctc caaacctggc ttataagaag ctaaaaggca  
60aaagtccagg aattatcttc atccctggct atctttctta tatgaatgg acaaaagcgt  
120tggcgattga ggagttttgc aaatctctag gtcacgcctg cataagggtt gattactcan  
180gagtt

185

&lt;210&gt; 1885&lt;211&gt; 392&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggctgaaggc tcatgaagct gaaatgtggg aagttcactt tcgcgccatc  
60cagcccagaa catcttttta cctgctctga agatggatcc ctctggcact gggatgcttc  
120cacagatgta cctgaaaagt cgtcactctt tcaccaagggt aaaacttttt aatgaatact  
180gttatgtgta cttttttttt ttttttttaa aacaaagtct ctttttatcc cccaggctga  
240aaggcagggg cccaatttcg gtaattgaa acctccgcct ccgggggttaa agcaattttg  
300gggcctcacc ctcccaagaa gccgggacta ttatttttgc cccccgggcc cgggctaatt  
360tttttgrttt ttaaggggaa aggggggtccc ct

392

&lt;210&gt; 1886&lt;211&gt; 413&lt;212&gt; DNA&lt;213&gt; Homo sapien

taaggccac agcacatata gactgactgc gatattctat tttcatggca gggagtgate  
60aggaagaagg ctctctaggg gactggcgat ttaaaccagt tgagaaacac tgccatcagc  
120aggcagtttc agactcactc aagttgtctc ttgacagtca cttctaaatg ggttctaagt  
180tgacaatggc ctccaaaact acagccttcc ctgaagtta agctgtgacc tttagtttta  
240gaaggacagt ggggctgtac tagaatagt ggttctcgaa gaatgcggcc tgcagatcct  
300gggagtccca agaccctttc agggaggatc tgtgaggta actgttggca ctgtggcatg  
360aatcaagggt gtggcagcaa acttctagta gttttgatat gtccttgata gan

413

&lt;210&gt; 1887&lt;211&gt; 387&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagcc agccttgaac ttctgggagc aagtgatctt cctgccttag cttcttgagt  
60agctgggacc acaggctcat gccaccacac ctggctctaa cctgaaattt tcaatatgat  
120cataataacc ccagcgtgtg ttaacctaca gattgctcct taaaactcaa ttgcttttagc  
180agctttttaag atcctcccca tcccttacta ctcacctttt aggtgtgata tcattccagc  
240cctaagctcc agagagcctg gttcaaattg aactacagt ttttccatg cgtatttaat  
300gtcacagaa caaaccccaa tagaccacaa cttcactca gactaacaca gcattctact  
360tgctggcag gttcacagat cataaat

387

&lt;210&gt; 1888&lt;211&gt; 422&lt;212&gt; DNA&lt;213&gt; Homo sapien

tgcacgagga gagagagaga gagagagaga gagatagaga gagagagaga gagagagaga  
60gagagagaga gagagagaga gagacagaga gagagagaga gagagagaga gagagagaga  
120gagagagaga gcgagcgaga gagagagaga gagagagaga gagagagtga gcccccccc  
180ccccccgcac ccagtgtgcg ctgtgtgttt tttgtgtgtc gggccctgt ccccccccg  
240atctgttctt ttctatccat ccacatgctt gtgtgtgtat cctaaccacc agagtcttga  
300cttccagagc tcacttttcc ttattgcttg tgtgggcgca cgcctttttt tcttcttat

360gtctagaccc acgctctctc tccttgtatt ccctgcgttg ggctgaggac accccgcacc  
420ct

422

<210> 1889<211> 410<212> DNA<213> Homo sapien

ggcacgaggt gaccttgcca tgcacatata ctcgaggcac gagatatcac agtgtcctgc  
60tgaggatagt catttgata tcttatttaa agtgggtgtct gtcaagcttt cccaccgtag  
120gttgctctat ttcctttgaa atgaacaagt aattgtggg cgattttttc ggactatatt  
180catatgtttt gactcatcaa attgtcacct cctagattgg gcatgcattg atgattctta  
240cccaagtcaa gtattattac aatgggtgtc agatggcaat cttctaattt catttgtgca  
300tctgcgccc tcaattggca ttctacgaaa atatggagcc gtcgtgagct tgcacacct  
360tgtgcaagag ctatggctat gctgagcttc tccacatatt tacaactatg

410

<210> 1890<211> 402<212> DNA<213> Homo sapien

ggcacgagat atctctacaa ccttgtctcc acaagttatt aatgaagtgt ggcaagaaga  
60aacaattggg cgtctactac aacttgtaga cctccactt cttgactcct tactgaaaca  
120gcaagaggct gtacctaaaa ttcctcaacc taagaggcag tccaccatgg tcaacagcag  
180taactatctg gatcgaggga ttctcaaggc ttatagtac tctcaggaag atgagtggct  
240ctcggcgaca attgactgtt tagaatacct tccagaccaa atgggtggg aaataagcag  
300aagctttcct gagcaaccag accgaacaga cttagtgaag gaacttctgt ttgatgccat  
360tggcagatat tacagtagta gggaacctct gttaaatcac tt

402

<210> 1891<211> 412<212> DNA<213> Homo sapien

ggcacgagcc gtgttaggt tcgctggcgt aaagtcccc ggagctttgc cctcacgga  
60gaacgttagt tgacctgat ggggacctgt agggtaaagg tttgttttt gtttttttt  
120acggaaaagg ttgtggttag gcccttgga aaagtgcgac aaaactcgag ttagacaagg  
180aaggctcgaa ctaagtggc acagcaacaa tgcaccagca agcagggagc gtgataggaa  
240gagctaaaga ggaatcgga aacctggag atgggtttca ccatgtttcc cagccttgct  
300tcaactcct gacctcaagt gatccgcgt cttgggtctt cgaaagtgtt gggacagcag  
360gagtgaacca ccgcatctgg ccgggaaagt gttttggagc gtagaaaaat gg

412

<210> 1892<211> 399<212> DNA<213> Homo sapien

cgttgctgtc ggatccatgt ggaacagagc cagctggggg gttgggcagc tctctccaag  
60gcagtaccta gagccagct gaacaacaag gctttgggtg tgaagggact cccagcctg  
120gagaccctat ttggctgaaa cagttacaaa atatcaaatg tgtgtcaga tattcctcca  
180attgttcaca tagctgggat atttgttgct cccctcacc cttggattat gtagggagcc  
240agtgcacaca gcctgtttgt tttagtatcc aaggaagaga ccaaggagcc agctggcggg  
300aaggggtggg gtgtgcaanc tgccctgtcc ttctgtcat aacctgacaa aatgccaac  
360tagcaagcag gatagctgat accacggcta tgagggagt

399

<210> 1893<211> 394<212> DNA<213> Homo sapien

ggcacgagag agagcttacg aggtttgatg tactttgact acttgactca ttctttaata  
60atcttcacct tgccttgcc caaaactgat taaagggaaa agacttatac acatagaagc  
120acataaaaata aatgtacgca ttaaggagcc gcacgatgat aagggaagga aaatattaat  
180attatgaagc cgggttccag tcgcatgtct tgatgtgagc catatattta gctctcagcc  
240tcctggttgg cacagcaaaa aggcaacgt gaatcacata gtgtagacga agaataaac  
300acttcttgct catgggttcc atccagagcc tcacaatgtt tacagatgtg tctgactcat  
360aatgtgagt ctggctccta agatccacaa aggn

394

<210> 1894<211> 162<212> DNA<213> Homo sapien

atgttaaagt gccagttac cactgggaga gcatccggac agacgtttcg ccaagatggg  
60tggaatggc agttaaccac tgggagagca tccggacaga cgtttcgcca agatgggtg  
120gatggccagt taaccactgg gagagcatcc ggacagacgt tt

162

<210> 1895<211> 396<212> DNA<213> Homo sapien

ggcacgagcc aatgagctac tctgacact aatggagaag tgtgccctca tggaagccct  
60ggttctcatt agcaaccaat ttaagaacta cgagcgtcag aaggtgttcc tagaggagct

120gatggcacca gtggccagca tctggctttc tcaagacatg cacagagtgc tgtcagatgt  
180tgatgctttc attgctgatg tgggtacaga tcagaagagc tgtgaccag gcctggagga  
240tccgtgtggc ttaaaccgtg cacgaatgag cttttgtgta tacagcattc tgggtgtggg  
300gaaacgaact tgctggccca ctgacctaga agaggccaaa gctgggggat ttgtgggtggg  
360ttatacatcc agtggaaatc caatcttccg taaccc

396

&lt;210&gt; 1896&lt;211&gt; 409&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagaa tgactctgtt attaaagggtg gcatggagac tgtggaggga atatttttta  
60aagcactact catatccttt aaactaaatt ttgccaaagc ccgagacaac attaaggaga  
120aattgtacct taagttagta attccaaatc tatctgagtt gtatacccat caaagacaat  
180acagctatta tcatagatga aggtatgcta taggcatgat tcattatctc tatattgaat  
240aggtgaaaga taactgtagt caggtgaaag gcattcatta tttttaagct gaaaagggga  
300tccttgaaaa cactgaaaac ctctacaaca atcttcagga agcctgctat cttgggattc  
360actaataata ggccaagaac aaaggcgagc atccattcct cactccacg

409

&lt;210&gt; 1897&lt;211&gt; 433&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg gcaaacctgg agaacctcc taaatccata gagttttcaa aatgtgaatc  
60tttggaagcc ttgagttcag aatctgctgc tctggaatat ttcccttcga tcttatctca  
120gtcacttcgt ttttgagaag agtgatgcct tgggcatgct tttttttttt tcttttttaa  
180aaaaacaggga gttgaagccc accctattta aaaaccccc cttttggaga attacaaggg  
240ttttgtcctg aattggaggg tgggcaagcc caagccactc gggctaactg gtttttgtct  
300cgngggctat tccaagaaca aaaggaggaa gttggcccat taccgggggt gtccctggat  
360gttgtttggg ggcgctgct tttcaaaaac ccgccccaaa aacaaccgg gaagggggag  
420ggccccgctt ccn

433

&lt;210&gt; 1898&lt;211&gt; 399&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga aggcctaccg acttacttta tcattgaggg cttactgata caatgaaatg  
60agtttcatga cttttttttt ttttaacccc tttttgaaaa aaaggggggt gggttaaaac  
120ccaaaaaatat ccttgttgct tttgaaaaga aggcattgaa acaaactttt ttgtagccag  
180ggttaaaaaaa acggaccggt ttggggccctt cttggtaagg ggggacttca gggccccggg  
240aaggccggtt tgggggtaac ctgaggggga cacaggccct gggggggggt ggttttttta  
300actggttacc cgggcccata ggcagacttt ttaaaaaaag gtccttgaag ggggatgtgc  
360aaagacatgc gggcccgctt aaaagcgctt attaaaaan

399

&lt;210&gt; 1899&lt;211&gt; 417&lt;212&gt; DNA&lt;213&gt; Homo sapien

ctgctccac tgtctttttt tgtttttttt ttacaacct taaaaaacgg gcttgccatt  
60ctcaccccaa gttcatggt acacaagcgc cagcagccag actgtagctt gccaacactt  
120gctagaccat tgctcttcat gttcaactg ccagtcagga gcacaaggac caggaagtgg  
180cctgacttgg ccaggaccac tcagcccatt acagtttaga ggagcggcca gatctcagcc  
240ccatccactt gggaagtcag gagaggcagt gaacacatca cctgaaagtc agaggtcttg  
300cgaaatcacc accaaagcat gtattttgtac aggtaatagt gctgagagtt caacagagga  
360cagggagaag gtgactgtg aagactgtgc agggaggag gacagccact caggag

417

&lt;210&gt; 1900&lt;211&gt; 401&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcctcagaa gctctgggtg tgccagagga cccccagaa taacaaggga gggcgagtgg  
60gtctccattc cccgagaagc caggggcagg gtgggatggg gaagaccagg agcagagtcg  
120agcctcacag aagccagcgc ggggtctctgc tcagcaccac agccgggggt ctggaccag  
180ggtaacagcc ccagttcatc ccaacccctc tcagagcctc aagaggggta gctcggctgc  
240cggaagagag gggagcccta tccctggcaa cccctccacg tagcgtacc cagcacctgc  
300caccggcttt gccatttctt tgagcttgaa gttaactctc ttagagtcta actgtggttc  
360atttctgcac aggtacaata gatgacttta tttgtttaga a

401

&lt;210&gt; 1901&lt;211&gt; 407&lt;212&gt; DNA&lt;213&gt; Homo sapien

tttcagttca ctttatctac tatgacacat actttcagag tcctagatgt gctgtcatcg  
60agtcccaggc cacatcgta cactcatcag cctctgcgg ccagtgtccc cactcctgc  
120catgtttccc tagtagcttg gtctttatcc agaactgtga ggctgctgtg ggggtgcagc

180tccttaggag ggtcctgctg gagcagtggc cctaagtgag tctggactgt gtgaggcacc  
240ccagccctcc acggcaaggc cggggcctgg ggggtgctggt gcctgtgtgc agcctgaagg  
300ctgcccctctt gctgccttca gcgagtggga agctggtcag aggggtgggc actcctctgg  
360gctccgccac ctcttggcac accccatttg gtctctgtcc actcctg  
407

<210> 1902<211> 407<212> DNA<213> Homo sapien

ggcacgagca tttatatata tactatatat ttcatatatg tatttcagga atttatagac  
60cagacattca tatatagatg cggaggtata tatgagcgcg tgtgtatata cacatatata  
120ttttatacgtata tatacgtata tacatatata cacatatata cgtatatatg taaacgtata  
180tatacacgtata aataaatata tttatatata cgtatatatg tatacacata tacacatata  
240tacgtatata tgtatatata cgtgtatatg tatgtatatata tgtatgtata tatacgtaca  
300cacacacaca cacacacaca cacacacaca cacacacaca cacacacaca cacacacaca  
360cacacacaca gagagagata cagagagata tacagagagt ttagaaa  
407

<210> 1903<211> 389<212> DNA<213> Homo sapien

cggtgctgtc ggggttttgcc aatcactaaa gatgcttggt ttgcctcagc agtagaatgt  
60ctgcagcaga tcagcacaac atttacccca tcagacaaaac ttaagggtcat ccagcagact  
120tttgaggaga tctctcagag tgtcctggcg tcactccacg aagacttctt gtgggtccatg  
180gatgacttga ttcctgtttt cttatatgtg gtgctacggg ccaggattag gaatttaggc  
240tctgaggtac acctcattga ggatctaag gacccctatc ttcagcatgg ggaacagggg  
300ataatgttca ccaccttgaa ggcattgtac taccagattc agcgtgagaa gcttaactag  
360gctgcataac agcttgaaaa ctggattat  
389

<210> 1904<211> 390<212> DNA<213> Homo sapien

ggcacgagcc catctctact aaaaatttat ttttagccgg gcatggcggt gcatgactgc  
60aagcccagtt acacggggagg ctgatgcagg agaattgctc gaaccacaga tgcggacgtt  
120gcagagagtc tagatcgcca tatatatata ttcttatata tgtatatata cacacatata  
180tattcgtata tgcatatata cacacatata ttcatatata ggcatatata catatatattca  
240tatgtttctca taatatacga atacacctat atgtcctat atgtatatat aacatacata  
300tattgatata tgtataaata atattcataa atgtatatat gcatatatat tcatatatgc  
360acacatacat attcgtatat gcgtatgcac  
390

<210> 1905<211> 390<212> DNA<213> Homo sapien

ggcacgagag aatgccgact acttctccaa ctatgtcaca gaggacttta ccacctacat  
60taacaggaag cggaaaaaca attgccatgg caaccacatt gagatgcagg ccatggcaga  
120gatgtacaac cgtcctgtgg aggtgtacca gtacagcaca gaaccatca acacattcca  
180tgggatacat caaaacgagg acgaacccat tctgtttagc taccatcgga atatccacta  
240taattcagtg gtgaatccta actagccac cctgcactc tctctcattg ccgctgccac  
300tatcacctgt ctctctgcca gctgatgtgc cctgttgccc cccaccccat cccgcacaga  
360accatccctg cattccacag gggactcggg  
390

<210> 1906<211> 396<212> DNA<213> Homo sapien

tgcacgagcg gcgactcacc cggattgata tgccgtgatc tggctatatg gtggggcgcg  
60ggcgggtgccg ctgcgacgag ctggtgctgt tctcacatgt ttcctttcaa tgggcttttg  
120gtgtatgatg taggcgaacc aagaacagga ggaggtgatt acagtgcgtg ttcactaccc  
180ccgagtgcac aatgagggct cctggaactc ttatgtggat tataagatat tctccatac  
240caacagcaaa gcctttactg ccaagacttc ctgtgtgcgg cgccgctacc gttagttcgt  
300gcggctgata aagcaactac agagaaatgc tggattgggt cctgttcctg aacttgctgc  
360gaagacaatc ttcttcggca cctcagatga tgtcat  
396

<210> 1907<211> 407<212> DNA<213> Homo sapien

cttccatagc ttggccacct atttgtctca gaatacctca tctgtgttct tggataccat  
60ctcacatgtc cactcttgc tgttctggt caccaatgaa gttatgcctc tgcaggacag  
120catcagcttg ctgctggagg ccgtgcggac canaaatgag gagctcgccc agacatggaa  
180gaggtctgag cagtgggcca ccacgcagca gctgtgcagc acagttggcg ggcagctccc  
240aggtctccat gagtacgggg ccgtcggggg ctccacacac acggccactg cagccatgtg

300ggcctgtcag cactgcacgt tcatgaacca gccaggcaca ggccactgcg agatgtgcag  
360cctccccagg acctagggcg cctgccctct gctggctagg accgggc  
407

<210> 1908<211> 399<212> DNA<213> Homo sapien

caagccagtc aacccgcaga agtgaatatg tactaccaga acacttacca gacaatgcct  
60tacgggtcat cctatggcat tccttatagt tatacggcct atggatcatc agatgccaaa  
120tctcaaaaaa cagataatac agtccctttc aaaactccca gtaatgagat gactcccgtt  
180actattgatt tggtaaagaa acagcttaaa gacagggttg actccatgaa agaattgcac  
240aaaacaaatc gacagcagca tgagaaacat ctgcaaagcc gagtggactc taccagggct  
300attgaaagat tagaagggtc ttctgggggt attggtgaac ggtataaatt tttgcaagaa  
360atgcgagggt atgtccaaga cttgcttgag tgtttcagn  
399

<210> 1909<211> 407<212> DNA<213> Homo sapien

gaagattcac agtggacaat gtttaaggag atttttagagg gcattcagta aggggtgcac  
60ctgtctaagc ttttctaagg atagcagtc aatccttaac gttcttttg accagacaat  
120tagaattcat ggtttaaaat ctggtaaaac cctgaaggaa tttcgtggcc attcctcctt  
180tgataacgaa acaacattta cacaagatgg acattacatt attagtgcac cctctgatgg  
240cactgtaaag atctggaata tgaagaccac agaattgtca aataccttta aaacctggg  
300cagcaccgca gggacagata ttaccgtcaa cagagtgatt ctacttcta aaaacctga  
360gcactttgtg gtgtgcaaca gatcaaacac ggtgggtcatc atgaaca  
407

<210> 1910<211> 408<212> DNA<213> Homo sapien

ggcacgagac aggcaccaag atgtccaacc gagtggctctg ccgagaagcc agtcacgccg  
60ggagctggta cacagcctca ggaccgcagc tgaatgcaca gctagaaggt tggctttcac  
120aagtacagtc tacaaaaaga cctgctagag ccattattgc ccccatgca ggatatacgt  
180actgtgggtc ttgtgctgcc catgcttata aacaagtgga tccgtctatt acccgagaa  
240ttttcatcct tgggccttct catcatgtgc cctctctctg atgtgcactt tccagtgtgg  
300atatatatag gacacctctg tatgaccttc gtattgacca aaagatttac ggagaactgt  
360ggaagacagg aatgtttgaa cgcattgtctc tgcagacaga tgaagatg  
408

<210> 1911<211> 392<212> DNA<213> Homo sapien

cggccgcgaa taaggattac aaggcacgt tgacctgtcc gtgctgtaac atgcgtaaaa  
60aggatgctgt tcttactaag tgttttcatg tcttctgctt tgagtgtgtg aagacacgct  
120atgacacccg ccagcgcgaaa tgccccaggt gtaatgctgc ttttggtgcc aatgattttc  
180atcgcatcta cattgggtga tctaagtcaa gagaagaaga ggagctggct agtcaggaa  
240ttattcatta accaccaaac ctctacctt tctctccttg actgtcacct gtaggacagt  
300ttatcagtca actacctttc ctccagactt tacttccagg ctctcctctt cagttagctgg  
360atgacttttag cagaaaggac tggtaaatac aa  
392

<210> 1912<211> 401<212> DNA<213> Homo sapien

ggcacgaggt ctacagcctg acccagctgc ccgctatcgc aatgtgttgagg aggccctctg  
60gaggattata agaacggagg gcctatggag gcccatgagg gggctgaacg tcacagcaac  
120aggcgcaggg cctgccccacg ccctttattt tgctgtctac gaaaagttaa aaaagacatt  
180gagtgatgta atccaccctg ggggcaatag ccatattgcc aatggtgcgg ccgggtgtgt  
240ggcaacatta ctcatgatg cagccatgaa ccctgcggaa gtggtcaagc agaggatgca  
300gatgtacaac tcaccatacc accgggtgac agactgtgta cgggcagtggt ggcaaaatga  
360agggggccggg gcctttttacc gcagctacac caccagctg n  
401

<210> 1913<211> 383<212> DNA<213> Homo sapien

cgttgctgtc gggccatttg ttttgttttg gtgtccctt tgaagccctg ccttctggcc  
60ttactcctgt acagatat ttgacctata ggtgccttta tgagaattga gggcttgaca  
120tctgccccca aggagtagct aaagtaattg ctagtgtttt cagggatttt aacatcagac  
180tggaatgaat gaatgaaact ttttgctt ttttttctg gtttttttt ctaatggagc  
240aaggactaag gaaaaccttt ggtgaagaca atcatttctc tctgttgatg gggatacttt  
300tcacaccgtt tatttaaatg ctttctcaat aggtccagag ccagtgttct tgttcaacct  
360gaaagtaatg gctctgggtt ggg

383

&lt;210&gt; 1914&lt;211&gt; 384&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gcctggnttt tttttgcctc ctccctttcc cagcaccatt tattttgggt  
60tctgagaaac agcttcctcc cattacaggc accaattcaa ttaggcagga gatagtgtg  
120aagggtttttg tttccatcag cttctgctgt gtaaatagta gctctgtttg aaaaactttg  
180agaagttggt gtgatgtgcc tctttctggg ttccgatccc ttctcagcct ggtgatgcca  
240tggcattcaa atcaatttgt ttctcttccc ctccctacc ctacatccat catacaaaa  
300gggggtggtt gcactaatca gagatctgct tttttccccc cacagatatt ggtaaattat  
360taaaaaacca taaattttct tcta

384

&lt;210&gt; 1915&lt;211&gt; 385&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg gaccctgtc gccagatgg ctctggaca tttgccagc gtcctactga  
60gcaggaactg agggcccgtg aagcagcacg gccaggggga cgtgaacggg ctgcctggc  
120aactgcccag gacaaggccc gtcceaaca agggctcctg gncagnattt nttntttttt  
180ttnttttttt tttttttttt tttttttttt tntttttatt aatatttttt tttatcttct  
240atatctaccc ctattccccc ttttttttag gcaaaaaaag tgttaaaccc ccctcttttg  
300gttctggata aaaaagaaaa atgccccgac atagggttct cctccctaata agaaaaaaa  
360gcccttttgg ggggcaaaaa aggtg

385

&lt;210&gt; 1916&lt;211&gt; 383&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga cctgcgcctg tgccttttat aggttctctg ccggcatatg atgcacatct  
60cgacaaacga gatgaagcac ggtgcgtgcc gataaatgg aacagatgtg gactgataag  
120cggctgatcc tgtatgtgtg gggctccaac gactttctga ggcgaggctc tatggactag  
180cgtcgccctt tgcactcttg atggctcaca acgggcttgc cttctcttac tactaaccat  
240tatatgctat ttgctgtccc tgcctagact ttgctccact gagtgggttca tttgaggcca  
300accctccctt gtgcgaggag ctcatggatg ccattggtctc tcactttgag agactgcttg  
360agagctcacc ggagcccttg tct

383

&lt;210&gt; 1917&lt;211&gt; 384&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagaa gagccagctg atatcctcgg cgaacatgtc tctcctgagt ccagaggacc  
60aacaccctca acctggtagc ttcttttctgg cttgtcagag ctctcagaag gtacctatag  
120gagcccaagc cccagctaca tctccactt attctgcctg attcccccaa agacaatggc  
180tggaccctgc atgcagggtc gggggtggaa tggggctaac cagctcctga tggcctgagc  
240caggcatctt gactggcacc tggagagccc ttaagtctgt cctggctgtg gcccatgccg  
300acagatatcg tggggctgac aggtccacgg caggcttgct ttcttttata aaatggaagc  
360tctggtacct tcaatgtatg actt

384

&lt;210&gt; 1918&lt;211&gt; 385&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gagcttagca aatctgggta ttggttttgc ctgtttttta accccctttg  
60gagtctagta aggttaacca ctctggtagg ttccagcgttc taacaggtga ctttacattg  
120gaggaagatg ttcagaaggc gtggaagaca catcttcgag cagccccagc ttctgatgat  
180tttgttcattc tgggttgtag acccaatctg tgtcccaggg actgggactg gccttcatta  
240ccttattgac atgcttctcc cggacacaca cacacacatc acatttgag ccattctaat  
300ttagtagagg aattacacat aacaaaaa ctccccaaat gtgtgctgga gaacagctcg  
360gagggatggg acggcctgtc gtttn

385

&lt;210&gt; 1919&lt;211&gt; 378&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagca ggcggcagag gttgcagtga gccaggatcg cgccactgca ctccagcctc  
60agcaatagag tgagactgtc tcaaaaaaaaa aaaaaaaaaa accccgcca tttttaaaca  
120accccgaaaa aattttttctg gggccctttt ttttaaaaaa caaggggggtt ttttcttttg  
180gtatcccaaa aaccacttg gggcaagggt tggggggggg aatttttttag ggcccatata  
240aaattcctta gggttttggg aaagggcaat cccggggcaa taaccctttt ttgtaaaggg  
300ctaaaccctt ttttttttta ggcccttttt tttttgaaaa aggggttatt cttggccccc  
360cgggttaaaaa ccctggga

378

&lt;210&gt; 1920&lt;211&gt; 379&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgctgctgtc ggctcttaca ggaaagggca ccaggctgcg gggtcattga ggacaaagtt  
60gacagtttag attagcaggc actcaccatg ggccctcccc ctccctcagc atgaaaccag  
120caggagaaaa tcctcaactc ttggcttctc ctgggggaga caaaagagtt ggaatgtgtg  
180tccagtgttt caccttttca gtgggctgag ggactggctt ctgtcttgct tgtcttgaa  
240agctgacagg ggctggtgca ttccagggtc ccaggagcca ctgagaacag aagacttgtt  
300gctgctctag aggacctatg gtagggcaga cagaggatga tacagctcag cagcttgtcc  
360ctacgtgtgg catgaaagg

379

&lt;210&gt; 1921&lt;211&gt; 381&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg ggcaatgcta aatattgcgg cagttttatg cattgctacc atttatgttc  
60gttataagca agttcatgct ctgagtcctg aagagaacgt tatcatcaaa ttaaacaagg  
120ctggccttgt acttggaata ctgagttgtt taggactttc tattgtggca aacttccaga  
180aaacaaccct ttttgcgtgca catgtaagtg gagctgtgct tacctttggg atgggctcat  
240tatatatgtt tgttcagacc atccttttct accaaatgca gcccataatc catggcaaac  
300aagtcttctg gatcagactg ttgttggtta tctgggtgtg agtaagtgca cttagcatgc  
360tgacttgctc atcagttttg c

381

&lt;210&gt; 1922&lt;211&gt; 373&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gggtaaccc tttctttatg cgagccaaag gattcttggc tccaagcctg  
60gtcctggctg ttagtttgga actcatgcac ccagatgcta actcgccctc agaatgcaga  
120ggggatgaaa cactgaccgg acaattcaat ctgtatatgg agacgggggt tcaccgtatt  
180agccaagatg gtctcgatct cctgacttcg tgatccgcc gccttggcct cccaaagtgc  
240tgggattaca ggcgtgagcc acctcgcccg gcccatgttc tagatttttt attctggttt  
300agcaggatcc aaactgctg tctgaagag actctcttct tcttccatcc aacggctggc  
360ctctaccaag tta

373

&lt;210&gt; 1923&lt;211&gt; 370&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagta cagaagaaca atgcgaggcg agctcaggcg cgctgatggt ggtttccgat  
60acaactcccc actcaaagaa ccccgaggag ctcttgattc catctctcag tagggctcctg  
120aagtccatgc tgtctgaaga cacagggtct cccctgctg ctgtgccagg acagagggag  
180tgccaccagc caagctgcaa tcctttttaa cgctaaaaac ggccgggctt ggtggctcat  
240gcctgtagtc ccagcagttt ggggtggatga ggccgggtgga tccctgtggt tcgggagttc  
300aagatcagcc tgaccaaac gaataaaccc ctctctact aaaaatacaa aattaggccg  
360ggcacagtgg

370

&lt;210&gt; 1924&lt;211&gt; 374&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga gagagagaac tagtctcgag agcagatctc tctctccggc acgaggagag  
60agagagaact agtctcgaga gcagtttttt tttttttttt tttccagca ccgtgagggc  
120ttactggagc acatttttgc ccacaaaaag gaaatagccc ttctaattccc gcctgcaaa  
180acacaaaaac gcaacctcc ccgggaaaac ttttgagaaa ccccgccggg gcaccaaaga  
240cctaggggga agatctgggt caaaggttaa aaattccgta agaaagggcc tataggagct  
300gtgagaactt tttttgccc cgaataacca tttttaacaa acagccctaa ccctagggg  
360agagctggac gggg

374

&lt;210&gt; 1925&lt;211&gt; 370&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggtttcttga agaggtagag gtagaggtta gtaagatgta ttgttaaaca  
60acaggtttta gtttttgcct tataattagc cacaggtttt caaatgatca cttttcagaa  
120taggttttta gcctgtaatt aggcctcatc ccctttgacc taaatgtctn acatgntact  
180tggttagcaca tccacctgta tcaactaatc ccatctggtt ttgggggatg cgctggcacc  
240atttccccc aaatttacgtg taagtatcac aaagagggtc tctacaatct ttagatttcc  
300tttcgacaag attgcaggcg attcctctcg gagaccttc cccggcatt ttggacctta  
360tgagagggcg

370

&lt;210&gt; 1926&lt;211&gt; 150&lt;212&gt; DNA&lt;213&gt; Homo sapien

atgttttaaan catgggtccg gagcctttta ctctcccgaa ctcttgagg ccctaaccgt  
60gcgctttgag gctcccgatt ctcggaatcg ctgggaccgg cttttattca ctttgggtgg

120cctataagag ccgttgcccc tggcgggtgat  
150

<210> 1927<211> 354<212> DNA<213> Homo sapien  
ttgcttatac tctcactgga accaatgcat ggaacagggtg gtgcagacct ccagctgata  
60atgcattgaa gaacaggcat catatgctaa atgagtgaag ctagagatct attcgacacc  
120ataaggacct gcatgaaaca aaatagcatc accacttgca tacgtaacat gatcaaccca  
180caggcctata tgttggaaagt gctgtccggg gctgttactg tctcttctgg ttataaagca  
240gacatgtggc catcttttcc gcagggttag agtgggctcc tttctttttg gaatcctttt  
300cttctccttt ggtagcagct cctgcctcc agggcttccg ccaccagcgt ctct  
354

<210> 1928<211> 336<212> DNA<213> Homo sapien  
tacgctgctt taagacgaca gaagggtga tctttcatct atttgagaaa acgcattcta  
60gcagggtgta ggtaatctca ttgtgggtttt aatttgcatt tccctaattg ctagtgctgc  
120tgacgttgt ttgcatgaac ctgggtatgtc ttcttttgag aagcattttc acaagccatt  
180ggtgaagtat gtggatcacc accaccata ctccaacctt gttcccagtc actggtacct  
240ataggggtgag agtgagggtg ctcatcaacg agctctcaa gtcataagct gctgctctcc  
300cactcacgat gcttgggtgat tcagggacgt tttccc  
336

<210> 1929<211> 448<212> DNA<213> Homo sapien  
tttttgcagg atcccacaca tatggagtct taaattagtt ttgggtgtca ttttgatgcc  
60tagagtcata gaagagtgat taggagcttg tgggtataaa aaataacttg agaattggct  
120gaaagcaact agggaagatg ggggtagtag tatgtgtaaa catttgaggc agtagagatg  
180tgggacccaa atactgttcc ctttttactc aaattctgag atgagttgac atgttctgtg  
240tagggctaga gagtagaaaa atggccagta ggtggtagcc acagagaagc agtgcgtaga  
300aacaagtaag tatgcaaaat ttgtacatac ggtttcagga ataactagaa taccataaa  
360atatccacct gccttataaa ctagaacatc attgataact tggaagccct tgcatacctc  
420tccatgatct catttgtctt cacagctt  
448

<210> 1930<211> 463<212> DNA<213> Homo sapien  
tgctcgatct gcacgatccc aacgatgca aatcggcacg agcagaaacc cggttcccag  
60cgtcggcggc ccggcttccg ctgcccgtga gctaaggacg ggccgctccc tctagccagc  
120tccgaatcct gatccacgag ggggccaggg gccctcgc tcccctctga ggaccgaaga  
180tgagcttctt cttcagcagc cgctcttcta aaacattcaa accaaagaag aatatccctg  
240aaggatctca tcagtatgaa ctcttaaaac atgcagaagc aactctagga agtgggaatc  
300tgagacaagc tgttatgttg cctgaggag aggatctcaa tgaatggatt gctgtgaaca  
360ctgtggattt ctttaaccag atcaacatgt tatatggaac tattacagaa ttctgcactg  
420aagcaagctg tccagtcatg tctgcaggtc cgagatatga aac  
463

<210> 1931<211> 460<212> DNA<213> Homo sapien  
tacatttagc ccagcgactt gttgnnaagc ccattcaatc gattcggcac gaggaaatca  
60attggagaac ggtttttatt taatacagtt gcacagggtg taaaaaaact tgctttattt  
120gacgaatgga attccttggc tgtttatgtt tcaatggata acacagtggc cattgaagat  
180atcaaaaaaa tgtgccgtgt ccttcccttg agagctgaca catctgggtg caggcctccc  
240gattctttta ctgctttcta ccacagtaaa ggcacctctg cctactgctc agcctggaaa  
300ccccctgctgc tcattgtgcc ccttcgcctg ggcataaacc aatcaatcc tgtctatgtt  
360gatgcattca aagagtgttt taagatgcca cagtctttag gggcattagg aggaaaacca  
420aataacgcgt attatttcat aggattctta ggtgacgagn  
460

<210> 1932<211> 436<212> DNA<213> Homo sapien  
cacacttgct tgctcgtttg gccgaatcgg cctaccggtc gtcagaatac gacagaaggg  
60accacagtcc acctaaaggg tgccctacag ccacttgagt ttttcaaact gagtaatcct  
120aaactgttca tcccaccctg ctttgccttt tccatgaaaa tgacagtaag ggctgtggcc  
180tggaactttac cctcattact gcttctgctt cctgaccaa accctatgca tctcttaagt  
240ctggcggtggt gtgttgtggc atgccgtctt ctccaggaa atgcaagtaa tacacatttt  
300tcagtgatat tggcctttct atgttgtcac ttactaataa ctccatanat taaatcttgg  
360gtgcatttta gaacatgctg tacctttgat tgggttgctt taggctagtg agttgagttc



420tgtgcttaca ctgaaa

436

<210> 1933<211> 440<212> DNA<213> Homo sapien

cggtgctgctc gggaatagag taattttttt tcccattcca ctggaagct gtgtacctca  
60agtgtgtgca catttacaaa tgggtgaaac ataacttatg ttagtccaag ctgatttga  
120cttcagttct gcttcaacgt tttagtagat agggcactga actggatgct gaaagcgtgg  
180gatctctttc tgttgcttca cttccaacag tgtggtttca ggtaatacga catgtttgtt  
240acttggtttg ctgatctatg tgttggaac aatgctcacc acaggaggat tgactacata  
300gcctgctttc atagcttgtg tgtatttatt cagtgcctta atagttgata ctgccagtga  
360tttactcctg tggagtaaag gtaagcatgg tttatttct tgagtattat atgggtacgtt  
420ggagctagggt atttaagaat

440

<210> 1934<211> 444<212> DNA<213> Homo sapien

ctcgctcttt gtgcaggatc ccacgactc tcaacatgag aaagctttta tttctattc  
60ttttcaattt tttcacattc taaaattttg gctgggcgga tcttgatttt taaaacattt  
120gtcctttgtt ttctaaagag ggctcggtgtt ttgcttagtt tttaaaaaaa ttgacgaatg  
180atgtttttta acgaacatgt tcatcttgct aatttttgtt tgtttttttg agacggagtc  
240tcgctctgct acccaggctg gagtgcagng gcaccatctt gtctcactgc aagctccgcc  
300tccccacttg aactgattct cctgcctcag ccacctgagt agctgagatt ataggtgcct  
360gcccccatgc ccagctaatt tttgtatttt tagtacagac agggattcac catgttggtc  
420acgctggtct tgaactcctg agcg

444

<210> 1935<211> 426<212> DNA<213> Homo sapien

tgtgaacact cccctatgta aatatgctga caataaattg tatggagaat ggtattttaa  
60aagtgttttg agacttttca cctgtcctat aaaattttga attgtgtatg tgatctacat  
120agaaagaata ttaaagagta ggttgaactc tttatagcca aatacagcct taaatatgct  
180tgtatagcat ccactggcag aagtaatagt tgtgcctcag acttgggggt tgcattgtggc  
240cctgggggag ttactacct tggtagcat gagcgggtcc tattagcatc agtgggaact  
300cagtactctg tatgtatcca caaaagggaa cttgagaccc acagttattc ttaatttctg  
360atattaacaa ccgtacatac tgctgaattt aactcanaat atttcaggta agtgaaagtg  
420gtgctt

426

<210> 1936<211> 424<212> DNA<213> Homo sapien

ggcacgagga atcaagggaa taaaagctta ttctgatatt atagagcata taacagccat  
60gtagatatgc atggtataga gaaatcagtt ctatgatgga tgtaccacca aagttgccga  
120gcattatata gagatgcttt tgatatgagc cctaaaataa attgggatag agagggagtt  
180ggtgaatttg agataatttt tcaaagaaca taccatatgg cgacgcaaac ggtagatgc  
240aatcagtgat aagctatatt ttgagtctta caattgtttt tacaattacc cctgttttga  
300gtatatatct tggcaaatca ttctaataaa tatttgctga taactgcgag gaatacatac  
360atgggtacgta gaaatttgga agaactacta catattttca ggtatcattc tctgtgcaaa  
420tacc

424

<210> 1937<211> 431<212> DNA<213> Homo sapien

cggtgctgctc ggacaggagg caggtgtgta tgggtgaaat tattttgaca ccctagagtt  
60aaccgggcct tagagtcagt acattggttc aagtaacaaa tatcaaagca gaactccttag  
120tgtggcacaac aataaataat tgtctcctag attcttatac aagtcactgt ccgtcccca  
180ttggttagctc ttagaatggc tcgagttgca ttcattgtca cagcaagaca caatggtttt  
240gatagcaaaag cagtagagaa actaaatgta gagaggcaga gagaactgta ttaagtctga  
300ggacctgggtg gttgtcatgg gcagcaggaa gtgtgaagga gaggggtttc cctccgatga  
360aaggaaggct agggcttgat tcangggagc aagtggtgat ggccctgctg gtccttggt  
420gtgcctatat t

431

<210> 1938<211> 425<212> DNA<213> Homo sapien

cggtgctgctc gaaaaaaaac caggtttctt tgttgagctg tgtcttgaag gcaaaagaaa  
60aaaaatttct acaggagtct ttcttgtttc tagttgagct gcgtgcgtga atgcttattt  
120tcttttgttt atgataattt cacttaactt taaagacata tttgcacaaa acctttgttt

180aaagatctgc aatattatat atataaatat atataagata agagaaactg tatgtgctgag  
240ggcaggagta tttttgtatt agaagaggcc tattaaaaaa aaaagttgtt ttctgaacta  
300gaagaggaaa aaaatggcaa tttttgagt ccaagtcaga aagtgtgtat taccttgtaa  
360agaaaaaaat tacaagcag gggtttagag ttatttatat aaatgttgag attctgcact  
420atttn

425

&lt;210&gt; 1939&lt;211&gt; 426&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gggttaaatt tagacctttt gagttaactc ttctaatagt ttgtgctcca  
60agagagccca gcacaccctt ccatgaatgg tgtcttttca aagataactg tttttgaatg  
120ttcattgaaa aaattgtaga gtagtcaactc atcatttttt cagttacact caaataacaa  
180ctattagtag acgtgttatt tttataaaga atgaacagat gaggccagga acagtggctc  
240atgcctgtaa tcccaacact ttgggaggct gaggtgggag gatcatctga ggtcaggagt  
300ttgagaccag catgaccaac atggaaaaac tccgtctcta ctaaaaatac aaaattagtt  
360gggcgtgggtg gtgcatgcct gtaattccag ctactcagga ggctgaggca ggagaatcgc  
420ttgaac

426

&lt;210&gt; 1940&lt;211&gt; 425&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagcagga tggatcaaaa gttatgatta cacactgtaa tctaaatgaa ttaaggaat  
60ggcagtactt ctagaacctg cacagattta ctcattttcc ttcaggaaag tgtttaaatc  
120gctcagagggt cctgcaccaa gcattcatct ccaattgtga ctccagtaca acgactcata  
180aatgggaaat gaataacatc catagtgttt agagagaaaa aaatagacca ataacctacc  
240tactgacaag taaatttata caggactgaa aaccgcctga aacctgctgc aactattgtt  
300attaactctg tatagctcca aacctggaac ctctgatca gtttgaagga cattgataaa  
360ctgtgatttt acaataacat tatcatctgc agttactgtt tacaagactg cttttacctt  
420acacn

425

&lt;210&gt; 1941&lt;211&gt; 435&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gagagcttca aacaagaagg gaaatggaag aaagaacaat aactatagaa  
60atccctgaag ttctgaagaa gcagctggag gatgattgtt actacattaa caggaggaaa  
120cggaagtgac cacaagcact aacaggagcc aggaggaact ctctcccagt ccgcctttgt  
180tgaatccatc cagccacag tccacagaga gtcagccgac caccggtgaa ccagccaccc  
240ccaaaaggcg caaagctgag ccagaagcat tgcagtctct gaggcggctc acgcgccaca  
300gtgccaaactg tgacaggctt tctgagagca gcgcttcacc tcagcccaag cgccggcagc  
360aggacacatc cgccagcatg cccaagctct tccttgacct ggaaaagaaa acacctgtgc  
420ataacagatc atctt

435

&lt;210&gt; 1942&lt;211&gt; 444&lt;212&gt; DNA&lt;213&gt; Homo sapien

ccggaacccc cctccccaag actatgaaag tgatgacgac tcttatgaag tgttggtttt  
60aactgagtat gcaagaagac accagtgggt gaatcgagt tttggccaca gttcgggacc  
120tatggtagaa aaataactcag tagctaccca gattgtaatg ggtggcggtta ctggctgggtg  
180tgcaggattt ctgttccaga aagttggaaa acttgcagca actgcagtag gtggtggctt  
240tcttcttctt cagattgcta gtcatagtgg ctatgtgcag attgactgga agagagttga  
300aaaagatggg aattaagcca aaagacagat taagaaacga gcgaaccaag ccgcacctg  
360aattcaccat ttaattggag aagccacaga atttattcag ccgaacattg tgatatccag  
420tggtttgtg ggagggtttt tgcn

444

&lt;210&gt; 1943&lt;211&gt; 426&lt;212&gt; DNA&lt;213&gt; Homo sapien

ataacgctac ttgttctttt tgcaggtnnt tgcgattcaa ttcggcacca ggcatcttt  
60aagtcctacc cgacagtggg ggacgtggcg ctctacatgg ccttcttccc cgtgtggaac  
120catctctaca gattcctgag aaacatcttt gtcctcacct gcacatcat cgtctgttcc  
180ctgctcttcc ctgtcctgtg gcacctctgg atttatgcag gaagtgccaa ctctaatttc  
240ttttatgcca tcacactgac cttcaacgtt gggcagatcc tgctcatctc tgattacttc  
300tatgccttcc tgcggcgagg gtactacct acacatggcc tctacttgac cgccaaggat  
360ggcacagagg ccatgctcgt gctcaagtag gcctggctgg cacagggtg catggacctc  
420atgggc

426

<210> 1944<211> 413<212> DNA<213> Homo sapien

ggcacgagcc cacacaacga gccattgac tccaaagggc agcacagcag atggactgct  
60attatcccag tggtagatg ggggaaactg agggccggga aggcagactt gcttgccctaa  
120tgtcacataa ggagaaagtg gctgtgctag gattggaacc caggctgtca ggttctgagc  
180ccttcccttt ctgtctgtgg gcctactgtg tgctcccaaa aagctgtggc caaattaagg  
240aggtggcatg tctgattcat ctgtggcggg gcctgggata tatagtaact ctcaacaatg  
300gtgttcatta gtccgggcat ggaggctcac gcctgtaatt ccagcacttt gggaggccga  
360ggcgagtggg tcacctgagg tcaggagttc gagaccagcc tggccaacat gga  
413

<210> 1945<211> 405<212> DNA<213> Homo sapien

ggctggtagag acacgatccc ctcttaagaa aatgttggtg ctacagacagg taaccactgc  
60tgctactgtt tttatttgtt tgtttgttca attttattta agatttgttt ttgttgact  
120aggattttta aaaatgtaat atattgcagg atttataacc aggttactg actgcttgct  
180tgctttcttt tttttttttt ttttctcct taaaaaacca aaacaaagt cttttaaaaa  
240tacttttagg ccccttgga gctggatttt tgaaatgttt cagaagggga caaaaatcgg  
300tgggggaaat tttttagttt cccagggtta attaaaaagg tttttaattt ggtttgggag  
360tttggggggg gatttttttc cctttatcca aaggcctttt ggccg  
405

<210> 1946<211> 405<212> DNA<213> Homo sapien

ttaagaagga cctgatatgt aagcgctggt catttttctt ctggggttta ctgatcaggg  
60tgagatttt aacttcattt agtaattact ctaggagatt ttaccttgac ttatattttt  
120catgacgttt catgatttgc tgctggtttc aatgaaact acaaatctgg catgttttac  
180tgtgaacact ttgttattt gttttgtacc ctttttgtc ttgtttttct gtttttagctg  
240ccttctgaaa aaagagttgt tccctctgtt tctgtcctca gatgatgtcc ctccccctac  
300ctgtaacctt tctttgacat aattgttcat atcaatgaag tgctgacca gctcaatata  
360cagttaagca caagatctaa agctcttgaa atgcccagaa aagaa  
405

<210> 1947<211> 404<212> DNA<213> Homo sapien

tttttctgat ggaatcttgc tctggctaatt tttcgtattt ttagtagaga caaggtttca  
60tcatgttggc cagggtgggc tcaaactcct gacctctggt gatccacctg cctcggttc  
120ccaaagtgtc gaggcaggcg gatcacctga cgtcaggagt tccagaccac cctggccagc  
180atgatggatc caagccggga ggctgaggca ggataattcc ttgaaccag gagtcagagg  
240ttgcagttag ctgggcaaca cagcaagact tcatctctta taaaaaaaaa agacccccac  
300cccccaaaa aatgggagcc cctgttctcc actttttgaa aagcttaaaa tgtgttttta  
360tcttgggcca gtcttttagaa caccctggc caaaaatggt taac  
404

<210> 1948<211> 417<212> DNA<213> Homo sapien

gtcggcacga ggctggccgg tctgtgtggc tcatgacctg aatcccaaca cttaaggagg  
60ctgaggtggg cagagcacct gaggttggga gttcagacc agcctgacca acatggagaa  
120atgccatctc tactaaaaat acaaaaatta gccgggcatg gtggcacgtg cctgtaatcc  
180cagctactca tgaggctgag gcaggagaat cgcttgatcc tgggaggtgg aagttgcagt  
240gagctgagat cagccattg cactccagcc tgggcaaca gcgaaactct gtctcaaaa  
300aaaaaaaaa aagggggccgc cgaatgagga aattaaaggg gttttttcca aaggaccct  
360gccaaaaaaa aaacttttag ggggaccctt aatccgggaa aacattggaa agccaaa  
417

<210> 1949<211> 416<212> DNA<213> Homo sapien

ggcacgagaa gcactccgct tgctaataaa accagagttt ctggatagtc caaaacattg  
60gttcttagag tataattcct aaaccagcag catctgcac acctagaaac ttgtcagaaa  
120tgcaagttat cagactccac accagacctt catgaatcag aaactctagg tgtggggccc  
180aaaaatgtag cttaacatgc cttcagggtg attctgatgc aaagtaact tacagaacct  
240ctgcactaga gaaaacactt ctttttgaga tagtcaaggt tgtatactgt ttctaccaag  
300cacaaatata ggagcatttg agattcttcc tgtgcaataa taagaaatca acaggaaatg  
360tttcagttag tgtgtgtgtg tgtgtgtgtg ttataaaaa tatcttgata tatatg  
416

<210> 1950<211> 412<212> DNA<213> Homo sapien

tgaaacaccg tctctaccag aaaatacaaa ttattagtca ggcgcggtgg cgggtgacctg

60tagtcccagc tactcgggag gctgaggcag gagaatgacg tgaacccagg aggcggagct  
120tgacagtgagc cgagatcgcg ccactgcact ccagcctggg cgacagagcg agactccgct  
180tcaaaaaaaaa aaaaagggtt tcaaagttcc tttttgttaa agaaccacg taaaaggctg  
240agtctattct gcatactatg cccacagaaa aggaagaaaa ctttttaaaa gggagaatcg  
300catgttttca atgaaaacat tcacttggtg tttcatttgt aaaaaaaaa agggggcctt  
360tataaagaac tttggggaaa cactttgctg aaatgttggg actctggaac ta

412

&lt;210&gt; 1951&lt;211&gt; 422&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt gactcacgcc tataattcca gcactttggg aggccgaggc aggtggatca  
60cgaggtcaag agatcgagac catcctggcc agacatggtg aaaccctgtc tctactaaaa  
120atgcaaaaaa ttagctgggc gtggtggcgg gcgcttgtag tcccagctac tcaggaggct  
180gaggcaggag aatcacttga acccgggagg cggaggttgc agtgagccga gattgtgcc  
240ccgcactcca gcctggcaac agagcgagac tctgtctcaa aaaaaaaaaa gggaaatctg  
300gttttttttt aacccaaaaa tttcttaggt tggggcccaa cttctttgtt ggctgggccc  
360tttgcacttt gaagggcccc caccceaagg ggttttgttt gtttccaggg ctttttgaac

420tn

422

&lt;210&gt; 1952&lt;211&gt; 413&lt;212&gt; DNA&lt;213&gt; Homo sapien

cctatatcaa aacttatcaa atggtgttct ttaaataatgt gcattttatc atatttcaga  
60tatacctcaa caaagctgtt agaaacaagg agttggaatt agaaaaatta cccaagtagt  
120attcaataac ctaattatct gcttgaaagc actgaaggcc aactatggaa ctcagtggct  
180ccaccagaga gaagtctggc taggtgctca ggtggcgtgt cctgaccatt cagtggctga  
240gccctgtgaa aacaggcatt ctgtaggtct tcggatgagg aacttgcaga agcagccggg  
300tgctgccatc ctaagctggt tttccatatg ggcttctctg tgagtgttaa gaaaagctgt  
360ggtttgctg tcagagttag cgccccact cagggttaacc acagtttctc cat

413

&lt;210&gt; 1953&lt;211&gt; 409&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc gaaaaaattt ctggattctt aaaccaggaa gtatgtctgc atgcaaacat  
60tgcttctgag ccatttcttg gtatccttat tgacaggctc atcctgcttt tcttactat  
120gttaactgaa cttactatct ctgtctactt ttaggctctg actttgacct ttctgtgtg  
180tgaatttaac ttctccctct tagcagtaaa gcaatgcata gattactttt aatgaccac  
240ccttttcttt catttgcatt agccctatga tattctatat cttcttactt tcttagggta  
300gtagaagtct tggcttgttt tgccagacag agcaaaagtg gcctgggac cacctaaac  
360tcgtaaaata tttccttaca cagaacgcaa aattgcttag tactctctn

409

&lt;210&gt; 1954&lt;211&gt; 412&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc gggcttgggc tgcaccactc acagagctcc ctccccagg cacttagttg  
60gggcccagca ctgaccttcc ccttgagccc aggatgtggc cagagcccc tctgggaccc  
120ctctcgcccc ttctctgcct cctcagcttg agctgcctgc ccgaagtctg gctgttcggg  
180ggccagtgtg tcacctgcca acttccacat caccctctc cctcgctccc tctctcctt  
240ccccaaggac ctccccccat ttctggcagc caagccatta atctggagac agaaatgggt  
300ttgctatcga ttctctggcc actttttctt tcattacaat ttgtaccggg attcttctca  
360cccttctctg cgtccgtgca tttaaagagt tgtctcttta aatgttgaag ct

412

&lt;210&gt; 1955&lt;211&gt; 408&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga gtcctcctt tcttctcact ccttccccct cctccctcca tgccactcc  
60ccctgcctcc agcaggccag gaagaaggca cagtcaggc aagtctggga gcttccaagg  
120ccttgaggctc cagctgtggg gcccaaatga cagccttaca aggttctac cagagagga  
180aattccacat cccaccagaa gacaggggtg ttggcaggca tactcctatc tctctctct  
240ggctctcaat gctgaggctt gcagaggcat cccagcggca ccagcctccc actgcacagc  
300ttccttccct ccttctactc cctctcccc cctgccccct tgccctacct cctcttctag  
360actgcattag attcattcat ctcattttcc aggacatgtt ggccagag

408

&lt;210&gt; 1956&lt;211&gt; 408&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc gcttttttcc cctattatat ttttggttct attaggattt acttaactga  
60atcttataac aattcgaggt gaactgtggc aatgaaaacc agaaacagtt aatgagatgc

120ttcagctcac agtttgaagt gctgagaacc taagtatttt gctgtacggt actgagctgt  
180acccaaatat gatggttttag gtttatgtgc aagactttgt gttgtagtct agacaaaggg  
240gtgggcaaga gacatgcaaa gctgaagccc tgcttgaaaa gacccttcaa ggaagtaaaa  
300tggcaggggc agagtgcagc ttaacatgtt gctatccctg ttgtttttga gttggttttg  
360gaatggattc aagttcttac acaatttatt ttgaatacaa gcataatc

408

&lt;210&gt; 1957&lt;211&gt; 422&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga agctgctgtt cggaagtttg ccatggactg gaaagaagtt cttgtcggcg  
60cctagcgacg cccaacacct gtccaaacaa aaaaaaaagt gaacaagaat taaaagatga  
120aaaaagggat ttattttacaa aatattactc caaatggaaa ggaggtaaaa aaaacacaaa  
180tgaattttat aaaaccattc cccggtttta ttataggctg cctgctgaaa atgaagtctt  
240actacagaaa ttaagagagg aatcacgagc tgccttttta caaaaaaaaa gcagagaact  
300gttagataat gaaaaattac agaacttatg gtttttgctg gacaaacacc aaacaccacc  
360tatgattgga gaggaagcga tgatcaatta cgaaaacttt ttgaaggttg gggaaaaggc  
420tg

422

&lt;210&gt; 1958&lt;211&gt; 408&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt caatgtttta tacattattg acagaactta cgatgatttt aggtggctca  
60gggatgtagt aaagtacttg tgttctgctg gttaggctaa gctgaagtga caaatggccc  
120tcaaatgtct ggtttcaaca aaagttcatt tgcttttggt gaatgtcttg cacatgtctg  
180tcagccagca ggcacctggg accctgctcc gggttagctt caccocggga ctcgggctgc  
240catgtctgac acgtggtggt ccactggcag agggacacac gatcggggca agttctgctg  
300gcccttaaa cttctaccca gaagtgacca ttaaccactt ctgcctacat tcaactgggca  
360aatcaggtcc catggcaacg tgagagggca tgtactctcc cttgaggg

408

&lt;210&gt; 1959&lt;211&gt; 404&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgctgctgtc ggtcaaaatc acttatctgt agagcataaa cgatgacctt gatcatgaga  
60gaaatggaaa tgagaaaaaa ttgaaaaaat gggatgtttg acctaaagaa gaggagcttc  
120ttttaagaag taacagccac tttaaggat ttggagttct gtcatgcaga aggatcagat  
180ttgacttgac cagaaggaac tagggctcagt gggtggaagt ttaaaagaag cagatttcaa  
240ttctctttca agataaattt cctcaaaatt gtgaaaatag aatgagttgt tttgggtggg  
300aggctgttcc tgttctactga caagttgggg attctagagt agaggaatcg tactgaagga  
360gaatttgagc taggtgtctt caagttacct ataaactttg aggt

404

&lt;210&gt; 1960&lt;211&gt; 405&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggaacattta tattgttatt ctttgggt attggtgtgt ctcacaggca  
60aaagttagatt tggctaaaat aggtctcagat gtatttgctg gcccgctgt gtgtgtgtgt  
120gtgtgtgtgt gtgtgtgtgt atgaaagaga gagagacttt gacgggtgta gatattttt  
180gcgctttgcc tactatatga gtgataatca tgtgtttact aacaagtcga tgacctggct  
240gtattcataa taccatttaa tattggcgtg agtgttctcg cttgacaaaa agaggcctcc  
300cctgcttctt tcaacaactg tcacagagtg ggtgggctga aagctctgcc cacggccctg  
360ctattggcga gagaggtctt ttgtgggagc ggtgtctcgt gcgtc

405

&lt;210&gt; 1961&lt;211&gt; 416&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggttaaaata gccccctgat gagccaggca ctctgaggga acacagatta  
60tctgagtcgt aacacgccag acttctccac aggtttattt tggagtggaa agtatgcaga  
120acacaaatta naaaattcaa tcttttgaga gattaaaata gggaaggcta ccaactgaatt  
180tctggaattg cttttcaggt ccaaactgta tcttaacctt aggcaagctc tctggccagc  
240cacaccatc cctggtaaat gttgtaggac agagaccccc ccagagagccc tgttggccct  
300tctgtcatg tttctcacct tccatgcccc agtaaaactgt tgaaaccaga gaatgggtca  
360gggaagcccc atcccactcc cctgaaaata tctgggagac tcttgggtgta gggacc

416

&lt;210&gt; 1962&lt;211&gt; 409&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagca ncnncnaag taagaggagc aaacaaaatg tatcaatttc agccgaggtt  
60ttctagggca aacactagaa tattgtacct tttgtacct gataccttat caatcaatat  
120atattactga gcacttcgat gcaaggattc catcacctcc ccaacatgtg atatagaata

180gaagcaggta aatgtttact aaatgaaggt acacagcggg cttttggaga ggaaatagac  
240tctggcctcc agccatggaa taatttatac tgtctcttgc taacatacct ggagccgttt  
300cctcattttg tgatccaaag agtaaaccatg taaaaccagc caatcttagg ttatatctt  
360gccatcctag agagtaagtg ctccaggaca tcagagtaag aagtctgga  
409

<210> 1963<211> 408<212> DNA<213> Homo sapien

cgttgctgtc ggcgtgtgtg tgtgtgtgcg cgcgcgtgcg tgtgtatgtg tgtgtggtgg  
60gggagagaat gcacaaacac tcgaggtggt ttgtatat ttcatagtt  
120gtttttctgg gggtacttan aatttgagag tccgtgagaa gcattaggaa gaacattact  
180gagaaaaaag gaggggtggg aagcccttag acttctcccc gagggatatcc ccgctgcagt  
240cttctttaga tgtttggatt cccagtcct cttgttttga ggcgtgatat aaattcagcc  
300tctcatacat ttaaaaaatat cggttgaaca cctgctatat tctaggcacc gaggagacgg  
360cagtgagcag acgagaatgc ctgctcttct ggagccacag aaaatata  
408

<210> 1964<211> 404<212> DNA<213> Homo sapien

tggcgacaag attgaagcta ggtctcaggg gtctccagtc ctcttcctc agggccaccc  
60cctgcagtat tgagcaccag ctggtccctc tagggagaga ttgacaacag cccggaccct  
120gcggcctgcc tattccatct gaatgtcgca tcgtctgttt ctactaggg gccgcctctg  
180tcatctcact agacatttga ggaacctcct gcctgggcc tctgcttctc acaggacagg  
240gacactgaac tgcgtcagcc tcagctcacc cctccttagc ccaaggctct cctcatgctt  
300gccacctact agtcatactg gcctttttaga tccctgaagt gttgttcaaa tccccggatc  
360attgagtcac acccccagcc ctctgctgcg gatcactcct taan  
404

<210> 1965<211> 411<212> DNA<213> Homo sapien

ggcacgagcc ccgttggcgg atgatttttc taattctgca actgcctgga gcgcgggcat  
60gatgacagag gaacggtcac tgatgatgca tccctggaag acctgggagc caggtctggc  
120tccttgact gtatcttccg tgctccagtg ggagtacaga ctgagagggg gaagggggcg  
180gggtagagat gcaccccatg tcggtatggg aatcactcta cctctcattt ccttcactt  
240ttcactcta aaatgtctag taaacctttt agtctgttct attctgcatt cattcccttg  
300actttcagcc cttgtaattc acattgtttg gctgggatca ctcgcttcac aaaaggaaaa  
360gacttcctcc tgtgaagaga tcccttagtat actacttgaa gaaccgcgaa g  
411

<210> 1966<211> 416<212> DNA<213> Homo sapien

ggcacgagtg acaaagactt cagtttagatc ttcatgaacc tccagtttcc cagtgcgtac  
60agtgggtaga tgaagctaaa ctaaaccaaa tgaggcggga aggcattcgt tatgctagaa  
120ttcagctttg cgacaatgat atctacttca tccctagaaa tgcattcat cagttcaaaa  
180cagtttcggc ggtgtgcagc ttagcctggc atataaggct taaacagtac caccctgttg  
240tgggaagccac tcaaaacaca gaaagcaatt ctaacatgga ctgtgggtta actggaaagc  
300gagaattaga agttgactcc caatgtgtga ggataaaaac tgaatctgaa gaagcatgca  
360cagagattca gctgttaaca actgcttcat catctttccc acctgcatca gaactn  
416

<210> 1967<211> 405<212> DNA<213> Homo sapien

cgcaagagac tattggcaat ggattcttct ctgtgtacag agccagcacc cacaagtgtc  
60tgtactatga tgagaagaag agggccagtt tccacaactt taagtgcgag tccagcaggg  
120aagaaatgaa atttcatgag ttcggtgaga aactgcggga tatacagcct cgacgagggc  
180aagagaggtt gtatctgcag cagacgtca atgacactgc ggtcaggaag attgacatgg  
240acttcttagg ttttaactgg aactggatta ataagcaaca gggaaagcgt ggttgggggc  
300agcttacctc taccctgctg ctcatgaca tggcaggaaa tgtgacacct gtcactatg  
360atgagcagcg gaactttttt gctcagatac taggtgacag acgag  
405

<210> 1968<211> 412<212> DNA<213> Homo sapien

ggcacgagag gaagtattag ctaatcagaa ccacgggtgcc aggtgactc accaagggct  
60aagattgctt tacttagtag cctcaagccc aaggaactga ttgtgaaaac cacctgaata  
120aacaggaggg aggaagaggt aatactgttc atctatacat catataagcc tctgttaggc  
180gctgcgcaat ctatcaacc cagccctgcc tcccatagg aaattccttt attttcaatt  
240gccacataca tagatattcc acggcttaat atacaagcaa atgtgtatat tttttcaagg

300aacagaaaaa aacagtccat cttggctggt ccctatggac cccagcccc actccttctt  
360caacaaagtc cctgattttc tcaaaagttc gaacaaaag ctggaagcgc tn

412

<210> 1969<211> 407<212> DNA<213> Homo sapien

cgttgctgtc ggtatttcac taccattttc tgacttttag cttttatttt cacctcaatg  
60tgatttaagc agacaaaaat ttctaattct gctaattctg aaggggaaat agacaaatct  
120taaaagctgc ctgaaatcaa acttgattta actcagtaag aatgtgaatt atttgttcta  
180cttgggtggt ttaatttaat cgttctgaat atgaacaaaa gggttttgat tttctaaaga  
240tgcagtgttg tttctgttca tcagggttaa tatttctaac tatattgctt gtaggtgacc  
300ccattctgga tttgtttggg ttggtttggt tccagttaaa agagaggaca ggaactaaat  
360ggggctaacc acttcaggtg cagcttgtgc gagggtagat gggtcct

407

<210> 1970<211> 407<212> DNA<213> Homo sapien

ctcggcacga ggcgaggcca tgtggacccc cacaccttg gggccggtg ggcaaacctt  
60gaacccccaa tttctgctg gcctttggct gccctcctc tccaaggcgt gactcttact  
120ccagagactc aggcgagcac gtgtccctta ccttattttc tctcaatcaa actgaaaccc  
180attgtgatcc cccatagtc agtgcggtct ctgttattat tacgggtgtc tcccttcctc  
240cccgtgcccc ggacaggcca tgagccagag atacaagggg cccacgcaa gatgcagggc  
300tctctgtcc tggctcttta tcgtcgtcgg gacaccctt gtccaaactc aaggaatccc  
360gggaggtctg gctttgccgc tttggctggg actcaggtac ctgggcg

407

<210> 1971<211> 417<212> DNA<213> Homo sapien

gggatttggt ttcggcacga ggggtgatgc taggatggtc ctttatatgt gtccctggcct  
60ctgcaggctt agggggcagt tttgaaaatg aggggaggaa gtgcttctgt ctgcacttg  
120ctgggtgctg gacactgggc cgagcaccag tccctcctct tctgctaga tgccctgagtc  
180ccattttaca gatgagcaaa ccaaggctca gagatgcggg gtcactcatc caagaccaca  
240gatcagaggg agccctggcc tgaagtgctt gctgggctgg ccaaggccct ctctggaccg  
300ctgtacttca ccaactgtcc cccaagcccc gcctgtgccc ccttggtcag acccccgttg  
360gccctctggt ttggaacca tgggaagaca gacctcatgt gaagggggct tcccaag

417

<210> 1972<211> 417<212> DNA<213> Homo sapien

nccggcacga gcgggaaccc tgctcagtc tgccgggcac tgcattgcagg gaccgtccgc  
60ctgaccaga gacctggggc tgccacccc tctctccaga cccacagcca gctttgtttc  
120ttgaatgtgg aagatgtttc ttattccctg aagaaaaggg gcctgccaca cacagcctgg  
180gaggcgctc atccagaaac tgggacttgg ctagcccggc ctggggcccta gggacttctc  
240actggtcatt cttctgaagc tgctcacctg gccgagggag gtcccggcag tgtcccaggg  
300tgggaaggtg gggngngnnn nnnntgnnt nnnntttnnn ntgtntttt gtgggtgttg  
360nnngnttgtt ttnttgtntt ttgttaggcg aggggtggtt ttgctttgtt ttgggtg

417

<210> 1973<211> 409<212> DNA<213> Homo sapien

cgttgctgtc ggtttccttg gtggaatttt ttgttctctg ctgctactgt aaaaacgaaa  
60tgagtggctc tgctcaggtt ccaatgatgt ccccaaatgg ttctgtgcct cctatctatg  
120tgccctcctg atatgcccc aaggttattg aagacaatgg tgttcgaaga gttgtcgtgg  
180tccctcaggc accagagttt caccctggta gtcacacagt tctccaccgt tctccacata  
240ctcctctacc tggtttcatt cctgtcccaa ctatgatgcc gcctccacca cgtcatatgt  
300actcaccctg gactggagct ggagacatga caacacagta tatgccacag tatcagtctt  
360cacaaagtcta tggagatgta gatgtcact ctacacatgg aagggccag

409

<210> 1974<211> 412<212> DNA<213> Homo sapien

tgacaagcca ctcngattt cagcagagat cccatcgatt cgcagtaaca ctggactgga  
60tcgggtacact cggttcaag tgtggctgcc gggaaactgcg tccacaaaa tacatctctg  
120acggtcaggg caccagcatc agccctctga aggagctggc gtgtgctgac gagtgttgc  
180ccctgccagt gtccttaac tggattggag gaggctatgg aacaaagtac tggagcagga  
240ggagctcccc ggagtggcgg tgtgtcaatg aaaaaacccg gacccataga atccagctgc  
300agagccaaga tggcagcaca cgcacctacg aaatcacagt agtactgcc tgcaagtga  
360agaggtagac ccggcagcac aacgagtcca gtcacaactt tgagagcatg tn

412

&lt;210&gt; 1975&lt;211&gt; 408&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagag agagagagag agtgtgagtt tgagagagag agagagagag agagagagag  
60agagagagag agagagagag agagagagag agagagagag agagagagag agagagagcg  
120ctctcacaca cgcgcggggt ttttgtgttc tgcgcctccc tctctttttt gtggggggggc  
180gctctctctg cgcccttagt cactctcacc cctctctgtc tttttttgtg ggcagacgct  
240cccacacaca ctgtctctct ctctctctgt gtgcatatat atttctctgt accgagcggg  
300tgtctctttt tttttctctc cctaaaactc tctctttccc gctctgtgtt tctctctctc  
360acacacacac acacagaggg ggggtgtatct ctctctctct ctctctct

408

&lt;210&gt; 1976&lt;211&gt; 423&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg ggctatggcg gaaacaaaag gagatgaggg caggggcact tttaggaagg  
60actgaggctg ctggcagtggt cacatgactg ttgagaagaa ggaattttgt tagcaagtgg  
120ttacatttag taggaaaagt gttgagggca tgggtttgga ttaaaggagg gagtgagcaa  
180ttgaggagga agtggaattt gggcaaaaaca ttccttttgg aagtttggat ggtaaaaggga  
240agtgtaggtt agaacaaaagg taagtctgag aggtaagaga gaaggaacac acttttgggct  
300tggcctgaaa tgagagggaa tgaggaaaac tgggtagagg gcaaggatgc tccagcctgg  
360tggctctgct ctccaaggag aaggaataga gctttagaag tgtggatggc cagagttcac  
420ggg

423

&lt;210&gt; 1977&lt;211&gt; 413&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt tattagggat aagctgttaa ttttttacag gtgtggagga tatttcaa  
60acatcgtttg cctttgcact aacatgcttt cattctttc agtctcttcc tccattccct  
120ttaaagtctt ccccatcata tcaatgatct caaaagctag atttgtcttc attttagccg  
180tatccctaaa accatgcatt ggtctggaca ggagttgacc catattccct tgcagactgg  
240tcaatccatg ttctctgtta cagtaaggac cagccaagct tcagctgtcc cattcctccc  
300cctacaacac acacaccttt caagcaggga ggagatgac ttccagcccc aagagtggag  
360gctgccacat cctaacatat tatctattga acaggaagca gtgcgtatcc atg

413

&lt;210&gt; 1978&lt;211&gt; 404&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga gactgaggca ggagaattgc ttgaaccag gaggtggagg ttgcagtga  
60ccgagaccgc gccactgcac tccagcctgg gcaacaagaa cgaaactctg tctcccaaag  
120aaaaaaaaa agaacttaag gtaaccag gccagggatg gaattgacct cttacaagtc  
180atgtgatctt ggacagacac cctctaggga acttcataat ctcatattgg aaaggggaat  
240aaatgctccg acttgggact gccactggga ggaggacagg tcatgggtgtg tgaaggagca  
300gggccacctc tegtacacgg cgcgctcagg gaatgtgaaa tgtgggtgtg aaaaaatgtc  
360ccttgactcc gcccttctct cccttaaaac acacgcacat gcac

404

&lt;210&gt; 1979&lt;211&gt; 405&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggc agcaccagct ctggggcctg ctgtctgtct ataccggcc tagctgtgga  
60cctgaggcct tggggcatct gctgagccga gccgaagcc ctgaagagtt gagtttggcc  
120accagttat atgcagggct agtggtcagc ctctctggcc tectgcccct ggctttccga  
180agctgtcttg ctccgggtgca tgcagggaca ttacagcctc ccttcacggc ccggttctctg  
240cgcaacttgg cactgctagt acgggtggga cagcagggtg gcgagggccc tgcagcccta  
300tgggagcact ttggggaatc tgccctagcc catctgtctg acctggctcc tctactgcta  
360catcctgagg aggaagtaac tgaagctgct gcctctctcc tggcc

405

&lt;210&gt; 1980&lt;211&gt; 407&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggnacgaaaa aataccaggc ccagggccta gcaatgtatc ttcaggaaaa cggcattgac  
60tgccccaat gcaagtctc gtacgccctg gcccgaggag gctgcatgca ctttactgt  
120accagtgcc gccaccagtt ctgcagcggc tgctacaatg ccttttacgc caagaataaa  
180tgtccagagc ctaactgcag ggtgaaaaag tcctgcacg gccaccaccc tcgagactgc  
240ctcttctacc tgcgggactg gactgctctc cggcttcaga agctgctaca ggacaataac  
300gtcatgttta atacagagcc tccagctggg gcccgggcag tcctggagg cggctgccga  
360gtgatagagc agaaagaggt tcccaatggg ctccaggacg aagcttg

407



<210> 1981<211> 419<212> DNA<213> Homo sapien

ggcacgagga ttcctggttt cagagcggtt aaaagatgat cttcagctaa gacttacgag  
60agcagaaaat agaataaaac aacttgaaac tgactcctca gaagaaatat caggttacca  
120agaaatgatt cagaaacttc aaaatgtatt ggagtctgag agagagaact gtgggcttgt  
180cagtgaacaa aggctaaaac ttcagcaaga aaataaacag ttacggaaag agactgagag  
240tttaaggaag attgccctgg aggcacaaa aaaagccaaa gtaaagatca gtacaatgga  
300acatgaattt tcaataaagg aacgtggatt tgaagttcaa ttgagagaga tgggaagacag  
360taatagaaat tccattgttg aactgaggca tctcctagcg actcaacaga aggcagccc  
419

<210> 1982<211> 415<212> DNA<213> Homo sapien

cggttgctgtc gtctgagtct ggcgcggatg ctatgggcag ccaggaggtg ctgggccacg  
60cggcccggtt ggctcctcc ggtctcctcc tgcaggagtt gtttcggttg atcacctttg  
120tcttgaatgc atttattctt cgcttcctgt caaaggaaat cgttggcgta gtaaattgta  
180gactaacgct gctttactca accaccctct tcttgccag agaggccttc cgcagagcat  
240gtctcagtgg gggcacccag cgagactgga gccagaccct caacctgctg tggctaacag  
300tccccctggg tgtgttttgg tcttattcc tgggctggat ctggttgacg ctgcttgaag  
360agcctgatcc taatgttgc cctcactatg caactggagt ggtgctgttt ggtct  
415

<210> 1983<211> 407<212> DNA<213> Homo sapien

ggcacgaggg gtcttctcgc cgctgctctt cgtggcccaa cgcccaatc cttgcgtgtg  
60cttgagtc caccacacac tcagccttgt gtccctcgat ccagtctccg acttccattt  
120cccaccctaa accgcctacc cgggtgtctgt tccccgcccg gttgtcctcg cctgctgag  
180ctgagtgctc cctgttagcc tcgaccccat ggcgctgcag acgctgcaga gctcgtgggt  
240gaccttccgc aagatcctgt ctacttccc cgaggagctg agtctggctt tgcgtacgg  
300ctccgggggtg taccgccagg cagggccgag ttcagaccag aagaatgcta tgctggactt  
360tgtgttcaca gtagatgacc ctgtcgcagt gcattcaaag aacctga  
407

<210> 1984<211> 411<212> DNA<213> Homo sapien

ggcacgagcc gactgtggag aagtgtccgg ttagtcccgc ttacaggaat gtgtttctga  
60tcatctgaat cttaatcatg tccaactgcc tgcaaaattt cctgaaaatt acaagcactc  
120gtcttctatg ttcaagatta tgccaacagt taagaagtaa aaggaagttt ttcggaactg  
180tgccaatata cagattgcat aggcgagttg tcattacagg cattggctta atgactcctc  
240ttggtgttgg aactcacctg gtttgggata gtcttatcgg aggagagagt ggaattgttt  
300cactggttgg tgaagagtat aagagtatcc cttgcagtgt tgctgcttat gtgccaagag  
360gtagtgatga aggtcagttc aatgaacaaa actttgtgtc caaatcagat n  
411

<210> 1985<211> 414<212> DNA<213> Homo sapien

gctactctct ctttttgcgg atcnnnnncat gagattcggc acgagggggt tcagaggggt  
60ttcattcaat caatcctccg aatccagaga tttagacca gtctccgta ttaggactgg  
120aggggggtca ataggttcag tgtttgagat gccaaggga cctgtctttt gatttggggt  
180tcaacataca gaggtagcag tcaccattat gctcaaagcg gtgatcctga ttggaggccc  
240tcaaaaggga actcgttca gacctttgtc ttttgaggcg cccaaacctat tgttttctgt  
300ggcaggggtc cctatgatcc aacaccatat tgaagcctgt gccaggtcc ctggaatgca  
360ggagattctg ctcatgtgct tctaccaacc tgatgagccc ctacccagt ttct  
414

<210> 1986<211> 413<212> DNA<213> Homo sapien

ggcacgagag taaaagaagt ccttcaaagc ttagttgatg atggtatggt tgactgtgag  
60aggatcgga cttctaatta ttattgggct ttccaagta aagctcttca tgcaaggaaa  
120cataagttgg aggttctgga atctcagttg tctgaggga gtcaaaagca tgcaagccta  
180cagaaaagca ttgagaaagc taaaattggc cgatgtgaaa cggaagagcg aaccaggcta  
240gcaaaagagc tttcttctact tcgagaccaa agggaacagc taaaggcaga agtagaaaaa  
300tacaagact gtgatccgca agttgtggaa gaaatacgcc aagcaaataa agtagccaaa  
360gaagctgcta acagatggac tgataacata ttcgcaataa aatcttgggc can  
413

<210> 1987<211> 409<212> DNA<213> Homo sapien

cgttgctgtc ggcgaggtgg ggtaggcgtg caaggcgggc gccgaggttt gcaaaggctc

60gcagcggcca aaaacccggc tccgagcggc ggcggcccgg cttccgctgc ccgtgagcta  
120aggacgggtcc gctccctcta gccagctccg aatcctgatc caggcggggg ccagggggccc  
180ctcgctctcc ctctgaggac cgaagatgag cttcctcttc agcagccgct cttctaaaac  
240attcaaacca aagaagaata tccctgaagg atctcatcag tatgaactct tataacatgc  
300agaagcaact ctaggaagtg ggaatctgag acaagctgtt atgttgctg agggagagga  
360tctcaatgaa tggattgctg agaacactgt ggatttcttt aaccagata

409

&lt;210&gt; 1988&lt;211&gt; 418&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg catataagat ctattatgtc tatggcttca tgatgctggt gctggttatc  
60ctgtgcattg tgactgtctg tgtgactatt gtgtgcacat attttctact aaatgcagaa  
120gattacaggt ggcaatggac aagttttctc tctgctgcat caactgcaat ctatgtttac  
180atgtattcct tttactacta ttttttcaaa acaaagatgt atggcttatt tcaaacatca  
240ttttactttg gatatatggc ggtatttagc acagccttgg ggataatgtg tggagcgatt  
300ggttacatgg gaacaagtgc ctttgtccga aaaatctata ctaatgtgaa aattgactag  
360agaccaaga aaacctggaa ctttggatca atttcttttt cataggggtg gaacttgc

418

&lt;210&gt; 1989&lt;211&gt; 420&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggtcattttc tcgctctgtg gcactgttca gaggatatca cgggcccctt  
60gatttgtatc cagaatttta ccgaattgct acagacccaa ccatccacac tgtcccagaa  
120ggcagacctg tgaatgtctg tgtgggaaaa gagtggatc gatttcccag cagcttccct  
180cttcctgaca attggcagct tcagttcatt ccatcagagt tcagaggtca gttacaaaaa  
240cctttttgcag aaggacctct ggccacccgg attgttctta ctgacatgaa tgaccagaat  
300ctagaagagc catccagata tattgatatc agtaaagcc attatttagt ggatttggac  
360accatgagag aaacaccccg ggagccaaaa tattcatcca atanagaaga atggatcagn

420

&lt;210&gt; 1990&lt;211&gt; 412&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gtgaatttac aggtggcgcc cccgccgctt agcgcccacc cgggcatgga  
60ccaagtgcac ccccaaaaaca ttccggattc ccccatggcc aacagcggac cctctctgtg  
120caccatttgc caggaacgtt tggaggatac gcatttcgtt cagtgccctt ccgtccccag  
180ccacaaaattt tgcttccctt gctctagaga gagtatcaag gccagggggg ccaccggcga  
240ggtgtattgc ccagcggag agaaatgccc cctagtcggg tcgaatgtac cttgggcctt  
300catgcagggc gaaatcgca ctatcttata tggggatgtt aaagtgaana aggagagaga  
360cccttgaacc actgggcagc caccctcttt gccctagacc agctcctctc cc

412

&lt;210&gt; 1991&lt;211&gt; 415&lt;212&gt; DNA&lt;213&gt; Homo sapien

nncncgaggg aagatggacg cagctactct gtccacgac actctccggt ttgctgagtt  
60tgaagatttt cctgagacct cagagcccgt ttggatactg ggtagaaaat acagcatttt  
120cacagaaaag gacgagatct tgtctgatgt ggcactctga ctttggttta catacaggaa  
180aaactttcca gccattgggg ggacaggccc caccctggac acaggctggg gctgcagtct  
240gcggtgtgga cagatgatct ttgcccaagc cctggtgtgc cggcacctan gccgagattg  
300gaggtggaca caaaggaaga ggcagccaga cagctacttc agcgtctca acgcattcat  
360cgacaggaag gacagttact actccattca ccagatagcg caaatgggag ttggc

415

&lt;210&gt; 1992&lt;211&gt; 383&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagaa aaattttcaac caaagaacag attcttctcc agccaacat gtcccgccac  
60tcagaagggg ttatcatgctt ctactgataa gccaaactta catcagatcc aatacagatt  
120tttttaagat aaaataccat ctctactgga cctgtttagt ggctcaggct gccctcacag  
180gacatccctg agaccacct gtcactcttg atgttggaac caggggcccag gcctgtcct  
240cattgtctcc tgccctctta gtccccagga gaggaaaaga aatactgttt tagagaaata  
300acattttcaa caaaacatcc ctggagtcag attttgagtt ggggtgggct aatcagggag  
360tcgggggtct ctgcgtgatg tcg

383

&lt;210&gt; 1993&lt;211&gt; 401&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagcc tcggcctcct aaagtgtgtg tattacaggc atctgccacc gcaactggcg  
60tatccctaga aatcctatga tagcatgatg tataggcacc taaaggcatg gcaacttgaga  
120aatgtgaata ataattggctg gtctctcctc atggttcggg agagggaac agtctcacc

180cctaaatgtc accttgaatt acagcatgtt atataagcac atcctggccc ttccttgaat  
240ggggatcttt ctttctcacc aaatattgat ctttttccct tcagagaaca ttgctctttt  
300tgtcttcccc ttaggaattt tactgattcc ttaaatttaa aagggcgtgt tgtaaccttt  
360atgtcccccg cccctcaca gatttgggtg gtctgtgatg g

401

&lt;210&gt; 1994&lt;211&gt; 385&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagcagac caagaacact tcagtctctc taaggatgcc ctgagctacc tcaactgttaa  
60aggacgacat caacacagaa tgcactaaac aggaataaag ctgtaatcta gagaatttcc  
120attatgtgtt acttttttggg gactaacatg gaatgttgaa aaggaagagc tggaaagctc  
180agttgttttc cttgttcttc tgacattgtc caggcaagag ggcacctga tcagatgagt  
240agatttggct gagaaaaacc cttagagtaag gcaggcactt tgtggagggtg gatgatgatg  
300gctcataaaa acgtttgttc tcagtccagt tcagggtctt gccagcagtc tttcagattt  
360gaactgctta nacaaccctt acaga

385

&lt;210&gt; 1995&lt;211&gt; 396&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gggagtgcag actgttattg tattgtgttc ttgtgcaaaa aaaccccagg  
60tgtatcatgg gaatacatct ttgaccttgg acttccttgt gtctgctgg cagaggtcac  
120tagtttttgac acctggtgag agatgtgaag tgttccttta tttacttata tttatttatt  
180tattttatttg aggcagggtc ttgctctgtc acctgggctg gagtgcaggg gtgcgatcat  
240ggctcacttt accctccaac tcttgggctt agacagccct gctacctcac cctcctgagt  
300acttaggaca ggagacgaac cgcaccatgc ccaccccatc ttattatgat tgcttttatt  
360tccagaacat atccccctat gaggcgacag tcgccc

396

&lt;210&gt; 1996&lt;211&gt; 383&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagcagggc tttacttttc aaacatgact attcattggc atcatgtgag ttttttgttt  
60gttttaatac tgagttctcc cctcctccca gtaagtctag gtgtggtctg tgaatcatta  
120ttttaataaaa atgttatggt ttgctgtgtt cctaccacaa atctcctctt gaattgtagc  
180ttccataatt cccacatgtc atgggaggga ccccgaggga ggtaattgag tcatgggggc  
240aggtctttcc catgctgttc gcatgatagt gaataagtct catgagacct gatagttttg  
300taaaggggag ttccctaca caagctctct tgctgcccgc catgtaagat gtgactttgc  
360tcttcattca ctttttagctg nga

383

&lt;210&gt; 1997&lt;211&gt; 388&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggagtcattc tgccatagata ttggagctaa aatacattgc agaaatttgt  
60tttagactag tctcttatgt agattgtgtg ggtttatgta gaacattttg tgttcagaat  
120gcttttatta acctcttcca tggactctt gagaggctgt ccttatctct tactgatgat  
180tagactgaga caagtggaaa gtaaagggtta gacaagatgt aaagtgtgtg gtttgagctg  
240tgatgagcac actagggagt tccagatacc agtttgatgc ttattcaacc atttaggtta  
300tcggtctgcg agtttgtttt ctgcagtgtg tgcataacta gtgttttgtc ctcttagagg  
360atactctggg gacattcttg agtttttn

388

&lt;210&gt; 1998&lt;211&gt; 399&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gaagagctct ggcgggttaca gacactgcag gaggtggccc tccgggtggc  
60aggtgtcct gtgggacctg cctgcttctt tcccaccagt gccatgtgg ctgtaagaaa  
120tcataacttg gccgggagcg gtggctcatg cctgtaatct cagcactttg ggaggccgag  
180acgggctgat catgagggtc ggagattgag atcaagacca tctggcggc tgggcgtggt  
240ggctcacgcc tggaaatcca gcaacttggg aggtcgaggt gggaggatca cgaggttggg  
300agatcaagac catcctggct aacacggtga aacctgtct ctactaaaag taaaaaaat  
360tagctgggag tgggtggcgg cgctgtagt cccagctac

399

&lt;210&gt; 1999&lt;211&gt; 398&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgctgctgtc ggtaaactg cagaggaata aagcccgaaa aactacctac cagtggttct  
60ctagctggtg gaattgtcag tgattttaac ttagctgct gagtcttttt gtacatatcc  
120aaatttttaa aataatgaac tcccacaact ttaatacataa gacatgattt aacataaatt  
180tgacatcatg acatgccaga ttgaaactgt aatgggcccag atggcacgtt tttacattgt  
240ctcctagctt ttgccctata atcccaatag caagagtggg gagagagtag aaataggatc

300ttggagaggg actttgacga aattgggagg agatgaaaaa gccttgagtg ctggcaaagg  
360aaacacataa gtgtcgggta tggttaatgt cagaagggt  
398

<210> 2000<211> 400<212> DNA<213> Homo sapien

ggcacgagga gagaacccag ttctaggtac tgtctgggccc tgggaggcga gacgagtgcc  
60caggggactt ctgggcttac aggacagcgt gtgtgacaaa attcacatct acctgaactt  
120gcctctggag atgataaggc ccaaaggagc agtcagggag gggcggtagc ccagagtagt  
180cccaggggga gacagattcc tccctcctcc ccgcctgcag ctctctttaa tttttgtaa  
240catttggaga gacgtccgtc ctgtcttgta gtctttttat tttgtgcac cttataattg  
300tattctacaa acaattttgt tttctgcatt taaacatttt tgtgttttta ggagatggtc  
360ttgctctgtc actcaggctg gagtacagtg gcacaatcan  
400

<210> 2001<211> 402<212> DNA<213> Homo sapien

ctagtctcga ggantttttt ttattttatt tttgggtccc caaagggaaa attttttttt  
60tgcttttaaa aaaaaaaaaa agcccaaaaa actttttttt tttttcccc gggaagggga  
120gttttttttt gggccccggg ggggttaaaa acccggggaa aaaaaaatt cccccacca  
180accgaaaatc ccaaaaaaat tgggaaacag gggggcccc cccccccctt  
240taaaaaattt taagaggggg gggcccaaat ttttccccg gcggaattta aaaaccggc  
300cccaaaggaa cccccgggt tccaaccct aaaaggggg gggaaaaaag gggggcccca  
360aaccccccc ctttaaaagg gaaaaaattg gggaccccc ct  
402

<210> 2002<211> 402<212> DNA<213> Homo sapien

ggcacgaggt gacaactgat tgggccttgt aggtatgatt ggatttagcc aggcaattaa  
60ataggaaagc agatactcat gacagattaa aacagcttga gagaagtga atgagcaagt  
120gtaagacaat tgatactgtc catggatttt agaaagtgtg aagtggagtg attgtgatga  
180agcttgaaag attgcctggg gccaggctgt tgaaggcttg gtttgcttag ataagtcaaa  
240tgacgtagac aatggatagt catcacagat tttgtacat gggacttcac ataccttaat  
300tgaatatcca tegtgtacaa aatattgtc aagcaatgta ggaatcaagg gaataaaagc  
360ttattctgat attatagagc atataacagc catgtaaata tg  
402

<210> 2003<211> 401<212> DNA<213> Homo sapien

atcggcaccg agcctgagac ttagaaaccg cttatttgtt taaaaccac cttaagagct  
60cacaccatta gggagaagca ccatgctgaa tcatttcaca gttttcaact ctgggaaata  
120atggagagag tttaaaaatg taaaacttca gctattttgg ggctgaactt gcttacttga  
180aaaatctggg gctaggcaca tatatctgcc tctcctttgc gaataccact ccaatattat  
240tctttactat tcagatccaa gttcatgat ctacttgatc ttcattgtct ttaaaacatt  
300cgaaagatgt caactgagag aaacatttca gaggggggag gcttttggca ctggtgataa  
360acatccctcc aagagaaccg cctgggggtt tcttctattt g  
401

<210> 2004<211> 400<212> DNA<213> Homo sapien

ggcacgagac aaaatgctct cttgatctta ttgcctcat ctctctcatg gttgtacaga  
60ggatagcacc ccaccatgcc agcctgactt ggagatatct cctgctgcct gcctgcaggg  
120agttacccca gtttccaaaa acagtcgccc agataaagga ggaaaaggga aaggcagacg  
180aatggcatgg cttttactaa agaaaagatg ttggcctcat actctatact cagggtta  
240tgaactggaa tctgcataac tcagcagtca acccagaagg gaaatgggta aactgagctt  
300gttattgcct cggagagcct aagagcacc gcacacttaa ttctactccc tgtctagaaa  
360agctgtcagg gagtctgttg gaattgcaat gtagttattn  
400

<210> 2005<211> 382<212> DNA<213> Homo sapien

ggcacgaggt ggcttggtgc aaattacatg caattagccc tcagacagcc tgaatcgaga  
60gaattgtggc aaaacttgat ggtgcagaac ctaggcaggc agccagactc ctaaaaccag  
120tcacgtaaat ttgtgtgt aactggatct tccaagcca caagtctgag aaatgggtgg  
180cactctgacc tgaccactag attttcagga tattctctct aagagaggta tcttgcttc  
240taagtgacct ctaaaacaga acctaggaaa ctctcagcca gataaattag aaattgatcc  
300taaataggct tgtgcccagg aaatcaacaa tgcagtaaaa atatcaggac aaaagcaaga  
360atacttccca aagtcagaac tg

382

&lt;210&gt; 2006&lt;211&gt; 382&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt tgggaagggt gtagtgccct aggttgggtga cagaagggac agacacttgt  
60gcacaggtgt ctttgggtgat ggggtttttt tttttataac ttagtaaaaa aaaaaaaagg  
120tttgggaaat tttgtttttg ggaaaagcta aaaccaggt taccctgagg gggcgaggg  
180ttttctttcc tgccctttta atctctttga aaataaaaac ctggcacttg ttgatgggtg  
240ttccaaaccc ccttaatttc caaaaaaac cccaagtta aggtcttaat ggggagggga  
300gggcacgttt ttgacacatg gaaacttcct taaggagggc ctccctttcc cttttcccta  
360aaagttttaa agtgccgttg gt

382

&lt;210&gt; 2007&lt;211&gt; 386&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggaacaagggt aagacacatt taatatatct gatcaagtgg tcttgtccaa  
60aaaatgtcct gatacatttt tttaaactaa taaatggagg attgcagact tactgaatat  
120ggcaggatcc ttttagcatgt aatactttta aatggatcca cactgaactt ctgctggatg  
180tactggagta agagtggcca gatttatcct cctcctcaa acaatgcaaa aaccagacaa  
240ggtatataac ataagagttt ttagacacta gacaatactg ggcagtgatc cctgagagaa  
300aatgaatgag gcacccctac aatttccata gcattctgcc tagatagctt ccagtctgta  
360gtctgcagga aggagatcca aaacag

386

&lt;210&gt; 2008&lt;211&gt; 397&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggaagaccaa ggactaggag tgtgagaaaa attgatcctc aggaggaaga  
60ctgcaatgca ttagcagga aagagtaatg tttcttaaga aaaaaatgaa acaatgaaaa  
120tccactaaaa tctgtctcaa ggataatatt ccatgactct acagggctta atgcgtgtga  
180catatataga cttctgataa gcagtttgaa ttatatgggt cagagaaatt tccaggtcat  
240aggacttctc tttaaagtaa aataaatagg ccaggcacgg tggcttattc ccgtaatctc  
300agcactttgg gaggccaagg caggtggatc acttgaggtc aggagtttga gaccagcatg  
360gccaacatgg tgaaaccccg tctctacaaa aatactt

397

&lt;210&gt; 2009&lt;211&gt; 396&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggc tatcaatgta agatacatc tcagattttg aagactagta ttaccaaaag  
60aatgtaaaa atcacattaa taattttata ttaattacat gttcaaata tttttggat  
120atactgaatt aaaacattaa aattagttct acttgtatct ttttactttt ttaatgtggc  
180tagaagaaaa taaaattata catgtggctc agattatatt tctattggac agcgtgtctc  
240tagaacatta tattaagtgg ttattattga agtagaccaa agtttatacc ataaggatat  
300ttttccttaa ataccatgtt tgaagaacaa ttatttattg atccttgaat ctgtaagatc  
360aaataacaag tctctatcca tgttaccaa tttaan

396

&lt;210&gt; 2010&lt;211&gt; 394&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gattttttcc tggagagcct tatcatgtat tttatatgct tatgtgggtg  
60tggatgacat catggaccat atagctttta tagagaattt ttctcaccat agaactgagg  
120ttctcaccagg tgatctacta tgcaaattcc tacagttttc tattcttaag aaataagggc  
180cgggcacggc ggatcatgag gtcaggaaat tgagaccatc ctggctaaca cggtgaaacc  
240ctgtctctac taaaaatata aaaaaatta gccgagcatg gtggcgggca cctgtagtcc  
300cagccacctg ggaggctgag gcaggagaat ggtgtggacc caggaggcag agcttgagct  
360gagccgagat cacgccactg cactccagcc tggg

394

&lt;210&gt; 2011&lt;211&gt; 396&lt;212&gt; DNA&lt;213&gt; Homo sapien

gtccagttgc tgacggactc actttttacat ggtcagcttt cagagaataa tcacagagat  
60gttagcagat ttaggggcac tttaaagctt ttgttgcgat gtttttcagg cttacaccaa  
120ctttcgcatt catagaatgg tgggacctca aggatgagtg aggagagaag gattcagtg  
180attttctgaa aaattattca ttacctatag ctgatacgac cagtgccagc catgaattac  
240ctagtcccca tgcattgaca gctgatttac attcttgcgc cagctcctta tctcatagta  
300gatcaggcgt ttgagtagca tagcattagc ttatctgttt ttttaagatc aatagaactc  
360aacaaggac gatagaactg tataccccag tcaatn

396

&lt;210&gt; 2012&lt;211&gt; 385&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagag tgagtctatg tattagggat aacagaagga aatcaagcac aaacttgctc  
60tttatttaca ataaactcca tacggaattt gaattctaaa gttaacaaat caatgaactc  
120catgtaaaat agtctttaca tggaataatg gaaaacaatc gatggtcctt ttcttaaaa  
180ccaatttttc ccattgtaa tacctttttt tttttttaa agaaaatctc gctctgtttc  
240cagggctgga gggcaaccat ttccatgtaa tatgtacttt ccccgaggac tgccagaact  
300cacttgccat ttttaaggga tagaacccca ttgactaaac acccttccaa acacccccgc  
360gatcaatact ttgtatcctt caatc  
385

<210> 2013<211> 402<212> DNA<213> Homo sapien

ggaaacgaag tttttgggag aaatccgttt gataaagcct tggcggcttc gaggtcatgt  
60gttgagcctc tggctgcatg aacaaaagcg aagcccgtt tcatggagct tctgtgaaga  
120gcaacaggaa cacaggcagt ccagtcgtcc tgagatactg ggaggagcat ggttgctttt  
180gaacacgtag gagataaagc ctctctaata atgcctgttt ttttttcctt cactctgtct  
240cccaggctgg agtgcatgg caggtgtcg cctcactgca acctccgctt tctgggctca  
300agtgattctc ctgccccagc ctcccaagta gctgggacta caggtctgtg ccaccatgcc  
360tgtctaattt ttttgtattt ttagtagaga tgaaggtttt aa  
402

<210> 2014<211> 397<212> DNA<213> Homo sapien

ggcacgaggg acatggctct gctgggcaaa gcaaggacgg gcacatccaa cctatgcggt  
60ccatcagggg cactcacatt tagaaggggg gagtcttatt tagcccaggg gctgggggca  
120ccatggtaat gtagaaaaag gggccagcgc ctccagaaaa tgggaccca ggctggctc  
180tgctccttct gctgtgtgat tctggttgag tggccttccc ttgagtcct ctggatgaag  
240ctaaggagaa gtcttggtt ctcaagtagt cactattcag actctcgctt tcagagtatt  
300tataggagga aaggacacat aaggataggg ctggtggact tataaggccg tgtgtttgcc  
360gccaccccat ttgctccag ggctgggtgt ttgtctt  
397

<210> 2015<211> 396<212> DNA<213> Homo sapien

ggcacgaggg gaccctgctc gccagatgt gctcctggac atttgcccag cgtcctactc  
60agcaggaact gagggcccgt aaagcagcac ggccaggggg acgtgaacgg gctcgccctg  
120caactgcca ggacaaggcc cgctccaaca aagggtcctt ggcttgnnn nnnnnntann  
180tgngnnntnn tgggaagttg agtgggtgggt tntaacctat acaggtttct ttactctgtc  
240tttagctcgg gccctccgt ttttttttcc ttgaatccga gacgggaata ccgtgggctt  
300tctggcctta tcccacaaat ataagaacat tccactgggt gtctgcttcc cccctggaat  
360ataggactct ttccctgggg cctgtgaggg cttttc  
396

<210> 2016<211> 392<212> DNA<213> Homo sapien

ctgcctcagc ctttcgaacc ggtgagacta caggcatgag ccacctcgcc ccgccctgag  
60gatttgaac tattaaaatt agagacctac cgattattga ttgtgtcaga ttgagctact  
120aattcgatac tcaggggggg ggatagaact agtagaaac tttggaaaat gtcatatagc  
180ttaccatttc gagctttgct ttattagata gtgcatgagg ccttcctttt aagaaaatga  
240atcaagggtt gaggtctgta atagagtatt aatttaaaag ccaactcttc tccctggaagt  
300cctgtcagta gcatatccac catatggccc tttcttctgt tttcctgtat tgcattctc  
360ctatttagtt ctgtgctctt agatccttct tn  
392

<210> 2017<211> 389<212> DNA<213> Homo sapien

ggcacgaggg ccgctggcta tcttggggga gccagctgtt ggactatgcc ccaactgccag  
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120caaaggctcg gaagggggcg tgggagaagc ggggcagcgc tgagccatgc tcgcgaactg  
180tgggtctgtc tgtgaagaga ccagtttctg tgggaccacg gtggcgctg cgctgggagg  
240tgagcttggt acagagcgaa aactacaatt ccagcatte ctgtggtgcc agaactacct  
300tgcccgaaag cctgtgctgag atttaccctg tcttcgcct cctcccacc ggaaaactct  
360gaggacatga atagtcgcca ggcttgggc  
389

<210> 2018<211> 398<212> DNA<213> Homo sapien

ggcacgaggg aaagaggagc gagaatcaga tagtggaggt atgatgggac tgggtggctaa  
60acagagaagg agaggtatat aagatcactg gaatgggaat ggttgttttg gaagtagtga

120agtttaggaca caaggggtgaa ctgcttttggg gtttgtatcc attctgttag ccttttgtat  
180ttaaggccag cactgaagca gtggaggaaa tgggcaaagt aagaagagag aattctgaaa  
240tgaagctgac tttgagcagg agtgggaggg aataagctag attatctggg cctccagcat  
300ctctagacct agaggtttct tctatttctc cttttcactg tgaccaggga aataatttct  
360agaagtaaaa aatctcatct gagactctgc aacaggcn  
398

<210> 2019<211> 400<212> DNA<213> Homo sapien

gttgctgtcg attttaagaa gaaatttaat tgtatttagc tctgtgtctc gcccttttgg  
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120tagcacaaat gtttttggtta agtatcttaa aactgatgga tggatggct ggggcagcat  
180ggctcacgcc tgtaatccca gcactttggg aggccaaggc ggggtgaatca cctgagggtca  
240ggagtttgag accggcctga ccaacttggg gaaaccccg tctactaaa aatacaaaaa  
300tttagtcagggt gtggtggcgc atgcctgtaa tctgtctac tcaggaggct gaggcaggag  
360aattgcctga acccgggagg cagaggttgc agtgagctga  
400

<210> 2020<211> 397<212> DNA<213> Homo sapien

ctgctatcgg gaacaatcct tgagggtgag aacgtggatt gattcttgat tgatagtggg  
60gattccatta tctgtatttg gcagttatgg cctgctgagg tgtatagaag cttctttcca  
120ttcattttcc cgaattttca tactgctcaa ggaacagttg ggggggaatg ggcagaagg  
180tgggcacttg agtatttgag ctatcggtaa taactgactt tttagggagc acagatttga  
240gtagagccat ggtagtagtt agtaccatg ggtttttgct gcttctactc tttcttaaca  
300gaaaaagtgg attgtgttca tataggaaag cagttcacag actgtcttcc tgccccctcc  
360gccaccaagc tggacctaga atcaagtgtg actttaa  
397

<210> 2021<211> 391<212> DNA<213> Homo sapien

cccagtctac attgaggtat agtgtattaa aggatctcag gagacttgca gcaaattact  
60actgcttctg tcttaaaatt cagatgtctg agctctaaaa aaaagcactc ctagtaaga  
120ctccaatttg gttgttaacc ctttggggcc caaggtttat ccaaccccag agggattttt  
180tttggctcct ttccttcaag gggaaggcaa aaacggcttt aaagcaatat acccagggtt  
240tctctgattgc caccaaatgg cctggacccc ccaaaaaaaaa aaagaatctt aaaaacccc  
300ttttctaatc ccttttaata aagggggaaa taagaaggct tttgccttcg gaaagtctgg  
360catgttgccc attactttaa tttctgcca g  
391

<210> 2022<211> 391<212> DNA<213> Homo sapien

ggcacgaggc ctggaggctt ttcagggtgg ccagcgtggg gtccctgtcag ctccctcttt  
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120tgtgtgtttt tgtttttgtt ttctggagac aaggtcttgc tttgtcacc aggctggagt  
180gcagtgtcgt gatcaagggt cactgaagcc ttgacgctgt gggcactgcc tcagccgccc  
240aagtatctgg gaccacaggc gtgcaccacc atgcatagct aatttatatt ttgtagagac  
300agggtctccc tgtgttgacc aggttggct cgaactcctg ggctcaagca gtccctctgc  
360cttggcctcc taaaagtgtc gggatcacag g  
391

<210> 2023<211> 389<212> DNA<213> Homo sapien

ggcacgagct tagctgagct tgttgatatt cttatcctat gttctgtcca ctcatggctg  
60ggggccctgc tcacatacca tctattctat gaagctgagc ctgagtgagg cttccttact  
120gcctttgtac acagtaccaa acatagtgc tagcatggaa tagatactca atagatattt  
180gttgaatgaa caatgaatga atatttgttg aatgaatgca ttatccact tgggagcaat  
240ccactcttcc tctatgcttt tatatcact tgccctacc tegtattatg gagctctcta  
300catttaacct ttatttttagc taattatgct ttagatgcaa ccccttctcc agaaggctcag  
360cccttggata ataccgctg ggtcaattg  
389

<210> 2024<211> 387<212> DNA<213> Homo sapien

ggcacgagga aagttttgccc ttggaagtac aagaccatgt cttccagata ccagccccag  
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120ttttcaagaa ccatactgag gatgaatccc tagaggggaat tcagccccca gtgggggagc  
180atggtttgaa tacgcccttc tctgtgagga gaagctggga ttcattgaat gaggatgtgg

240aaacagaagt tctaagcatc tgctttaatg agaaggggtcc tgttcatgcc atgcctgtgg  
300ttgactcagg aaacaggcag gaggataccc atgggtccga tggagatggg gatggggaga  
360ttgtggacga ggatgcagcg gtggcgg

387

&lt;210&gt; 2025&lt;211&gt; 386&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagggc ggcctcctcc gcgcctcgcg gcatggcgtc ggagggggccg cgggagcccg  
60aaagcgaggg catcaagtta tcagcagatg tcaaaccatt tgtccccaga tttgccgggc  
120tcaatgtggc atggttagag tcttcagaag catgtgtctt cccagctct gcagccacat  
180actatccgtt tgttcaggaa ccaccagtga cagagcagaa aatatatact gaagacatgg  
240cctttggagc ttcaactttt ccacctcagt atttatcttc tgagataact cttcatccat  
300atgcctattc tctttatacc cttgactcca cacagaatgt ttactcagt cctggctccc  
360agtatcttta taaccaaccc agttgt

386

&lt;210&gt; 2026&lt;211&gt; 383&lt;212&gt; DNA&lt;213&gt; Homo sapien

cccttttggg gagggcagag ggggaattga ttttaaatat tgttttcgcc tcatcaaagt  
60tcaccatcca gtttagctac tggatttcac tggattttct caaattggag tgtcgaatgc  
120ttagggtttt gaaaaccgcg gcattggaaa gctttgatag gaagtaaagt ttggagctct  
180tattttctcca gttagcaaat gttcgatgcc tggatactg ttaggggtcca aatgaacaga  
240atagaaaccc tgctttgaag gagaaaaaca ctgaagagaa actacacgta attagtgatt  
300actgcgcagt atagcttagg aagtgtctacc gtagtagaat aatctacagg ggagtgatta  
360acagtgcctg ggtaggctag acg

383

&lt;210&gt; 2027&lt;211&gt; 384&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gcttgccctt tacagagcca tgaagcagca gatgcaaccg aatactgtgc  
60agcatgagcc acagacgttt acgggaagaa ccggcaggag gcgccgggaa actaaagggc  
120tccagctctc tgagtgggtg ctttgccatt gtggctgtgc gagctcagcc tcttgaaac  
180ccgccttgag cttggttaac agcattcact ccaggtttag ccagctcca ggttatcgca  
240ggcaggagtc ccgagaacag gttcagtgtt gctttttggg aggtgctgcg ctaaagtgga  
300aaaccacctt gggccgagtg ggaacctccc agctgggcgg ctgttaacca gccaggatgt  
360ctgaccctga gaagtcaccg tgcc

384

&lt;210&gt; 2028&lt;211&gt; 382&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgac ggcggctgga tggctccttat attccaaaac tcaccccaag cctctcctgc  
60aggggtggcc agagattgat cccccagggc tgggttaggc atccctggtc atgccccaaa  
120gcgcctgggt ctctgctcat cacacttagt gtaaggatcc atttactcat ctgcctctcc  
180cgccctcttc ccttctctcc cctcctctcc cctcctttcc ccttctcttc ctctcctcc  
240ctccccctcc ctctctgagg aacttggtcc agctacagtc aatatctaga gaaggtattg  
300gcctagagaa ccttgctcaa tcttaagccc gcacacctgc cgtactttgg gatcaccccg  
360ggaaccttaa catgctgatg cg

382

&lt;210&gt; 2029&lt;211&gt; 382&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggcagaacta ctactaaga actactccct gtttgtgagg attgtacctg  
60ttgagagaag ttgcaaaaag aattagtcaa aagaattagt caaaatttgt cctctgacct  
120aggtctgaag gacatttaac acattgattg ttctcttcat ccagccttg agccctatga  
180gttagtgccc ttagcctttg agtccacag gtatggagga gctacctgtg gggacctgag  
240ccatcactat tctgcttca agttacactg gtgcctctca ctgacactgc tctgaaaagc  
300cagctggaaa aatcaatgca tttgagtaca taaattcttt ggctccaaag aaatgccata  
360gcaatattgc ttttaattca gn

382

&lt;210&gt; 2030&lt;211&gt; 402&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagat tatgattata gtaaacagac tagtgggtag taatgctaaa ttaccatcac  
60agttatgtgc catctcccca cccattttt tttttttt ggatcaccaa aaaaatccgg  
120gaaaccagcc tgaggggggg ctgacctgt taggaggggg gcaccaccac agggggggga  
180attaacgggg accccgggct ccaaaaagac caaaaagggt gcccttgggg cccaccctaa  
240cctaaaaaaa aagggggccc taactggaat tcggaaacaa gcggatttga aaacaaaaaa  
300aaaggatttt ttggccctt ttttaacaa gcggccttaa aatttggaag accccggcct



360aaaaaaccta gaaaaaaagg ggaggggaaat ggaggggcaaa aa  
402

<210> 2031<211> 382<212> DNA<213> Homo sapien

cgtagctgtc gggaggggttt gaaggagacc atcagctatt gtgtgatatc agacaccatg  
60gtgatgtaac ggattttacag ttttttgacc aggaaagaat tgtcgtgct tcatacaacag  
120gatgtgtaac agttttcctt caccatccaa ataaccagac tctgtcagtc aaccagcagt  
180ggactacagc tcaactaccac acaggccctg gcagtccttc ctatagcagt gcaccatgta  
240caggtgttgt gtgcaacaac ccagaaatcg ttacagttgg agaggatggc cgaataaatc  
300tcttcagagc tgatcacaag gaagctgtaa gaaccataga caatgcagat agtagtacac  
360tccatgctgt aacctttctt cg

382

<210> 2032<211> 401<212> DNA<213> Homo sapien

ggcacgaggt gatcaaggag atggcagctc atatccgtga ggtggagcag agccgacagg  
60aggtggttcg gtctgtctta gagcctcagg cagtgccaga ccagaagag ggctcttcag  
120cacctagaag ctggaagggt atgaacagcc aagtagcttc cagcttacag cagccctcaa  
180atttggaact gccaccagct ccagagcttg actggatgga gacaggacca tctctgacat  
240tcattggcca tcaggatata ccaggagttg gtaacatcca ctcaggtgcc acacctcctt  
300ggatgatcca agatgaagaa tacattgctg ggaaccaaga aataggacca tcctatgaag  
360aatttcttaa agaaaaggaa aaacagaagt tgaaaaaact c

401

<210> 2033<211> 396<212> DNA<213> Homo sapien

ggcacgagat tctccgggct tatattcatt ctctgcttct ttctcccttc acccgtggga  
60ctctcaccct tcttgctcat tctccagcac ccattcctac tttagtctct ttgaaatctt  
120tttttgagat tttccttcag ctacaaatgt tccagtacaa ccaatattac tcctgagggg  
180caaagacttt ttcataattta tgtccctagt atctggtatg gcgcctggca tatggcattt  
240cagaatatgt tcatagttga aacagtagga tagatatattg tcatcttgac aagtagccct  
300ttgcaattta tacttgagtt cactcctggt caatggcaca tggctggaaa atgcagaaag  
360caaattcact tacagcctga ggcttataaa gcttgt

396

<210> 2034<211> 396<212> DNA<213> Homo sapien

ggcacgagaa cagaagtgtc tggagtgtt ttcaggtata ggaatgagat gcctcgtggt  
60gaaaggatct caccctggga agatgtggtg cccctccag ggctctggag gatggatgcc  
120tccccagggt gctctccaag ctgggcattt gggcctggtg gatgccaaacc tggataacct  
180gtggccagc attgactgtc caccagcct tgtgttagg caccatgact ccaagatgaa  
240gatgtggtcc ctgcccttga gtgacagccc agggacttaa tgtggccatc gggcatcaag  
300cacaaggcca tgcaggtgat gatacgtcgg aatagaggca ccagccctgg taactgcac  
360ttctccctt gccaccccat ggccccggct gaaagc

396

<210> 2035<211> 392<212> DNA<213> Homo sapien

ggcacgagat catatccagg atgccccaca tacaccaagc caggcagagg gcagctcagc  
60tcctgtccca tctgcttttg atatctttac ccaaaggcag gtaaccgaa gagccagcct  
120ccactgccc aagagccagg ccagttgtg ttggagtata ggtcaggagc tgtggaagga  
180ggcagctctg gagggactca tgcttttaga gtctcacc ctcagactgc tgcaggacat  
240tgccaggcct ctctccactt ccttcctcag catacagact tcatgctatc ttccaattcc  
300ggggagtctt agctattagg gcagtttctg cttctccatt ttggggacaa aggccttgcc  
360cagtacaaat ctagccctt gtcccacaga cn

392

<210> 2036<211> 389<212> DNA<213> Homo sapien

ggcaccagat ccttcctcaa agcatggtg ctgagtacc agagttgcga ggagtttttt  
60aactgattta gccagggtggc aatcatgagt gaatggatga agaaaggccc cttagaatgg  
120caagattaca tttacaaaaa ggtccgagt acagccagt agaagaatga gtataaagga  
180tggtttttta ctacagacc agtctctgcc aatattgtcc ttgtgaactt ccttgaagat  
240ggcagcatgt ctgtgaccgg aattatggga catgctgtgc agactgttga aactatgaat  
300gaaggggacc atagagttag ggagaagctg atgcatttgt tcacgtctgg agactgcaaa  
360gcatacagcc cagaggatct ggaagagag

389

<210> 2037<211> 397<212> DNA<213> Homo sapien

ggcacgaggt ggctggcacc ccaccctgtc ttctctgac tgggtgctggc gtagggccgt  
60gggggtaagt cacgtctccc cgtgggctca gggaggcctc tgcacttagg gtctgaccag  
120cctcccccact aggaacaggg tgggaaagtc tgctcctgag ccaggagtca ggctgggagt  
180agcaatgctg ggatgggagg tgtgtggccc tcatgggcct cctctgggaa gccccagca  
240cagatgtggg ccactcaga ggctgectcc tggacctccc cttctgctgg accccggcgt  
300atgcctcagc taagcccgt tttcattctg ctcatatgct cagaactcta gacatttgc  
360tccgcaatta tatccattc tcttgaggga ccaggac

397

<210> 2038<211> 389<212> DNA<213> Homo sapien

gatactatgc ctttaacttt agaccgcagt atattataat acatttgata tctgaaatat  
60ctttactttt ttaagagtaa gattccatat gtctgtctgg aaggagacca tggttattca  
120cacgaatata cctgtcactt ctccagaggt gtgaggtaac taacacgagc attctttgaa  
180gactctgggc acatgaatga tacacagaat tgaatgttta aatttccact ttgagtcctc  
240atgaatcatt tgagactagc accagctgat cttgtgtaca ggctcagggt cagtgcccaa  
300gggctcccg gtgtgtgttc tgatcttcag tgcgtagcac atttccatt tataaaagag  
360tggtcagaat aattgtggac ggtacagt

389

<210> 2039<211> 391<212> DNA<213> Homo sapien

ggcacgaggg gacattta ttagttagt ttacatttaa acagccacac ttgactcgtg  
60agtgccttat tcgacggtgc atctctggag gacttgctcc cttcagcctg acttacaaga  
120aactgtgtct ctacctgagc tccagttgtt gacgctaag gggcaagtgg aaaccagat  
180gaccatcaca tcagccttgg gagcccaaag ctgggcagag ggcttggag ttggccatat  
240tcatggctgg tatctccatc agatgctgat ttggggccat ctgtgtatgt accctgtgga  
300gttaagtgt ggtgattcag agcggatatg ttgtgattta cacactcaag aaatgggagt  
360gcggggccang tgtggtgtct cagcctgta a

391

<210> 2040<211> 395<212> DNA<213> Homo sapien

ggcacgagga acggggggac ccttagccct caaggaggga ccaggaactg ccaggaaacc  
60ccctgtccgt gtcccggag gggacagcca ggcaggttt cacagcagga cctccttcca  
120tctctggagag ggaggaggga ggcagctgcc acagtggaag taaccttgaa cctcctgtga  
180gtcatggaat ggaagacaga gcagacctca gaccttgag agtcagggc gccactgagc  
240cagcccacga ggctgtatct gaggggtgag cctggcacca gcgggtgctc cgtgactgcc  
300tgtggcagcc ccgccacacc tcgtgccact cgccttctg gggcgctccg gatcgccagt  
360agtgaattcc acgcggcgtc tctgtggtaa ggagc

395

<210> 2041<211> 392<212> DNA<213> Homo sapien

ggcatgagaa gaagctctgc ttggtactac tattatgaac aacattgtta tttggaattt  
60aaaaactgg caactcctga aaaagatgca cattgatgat tcttaccag cttcagctg  
120tcacaaagcc tattctgaaa tggggcttct ctttattgtc ctgagtcac cctgtgccaa  
180agagagtgag tcgttgcgaa gccctgtgt tcagctcatt gtgattaacc ctaagacgac  
240tctcagcgtg ggtgtgatgc tgtactgtc tctccaggg caggctggca ggttcttgg  
300aggtgacgtg aaagatcact gtgcagcagc aatcttgact tctggaacaa ttgccattt  
360ggacttact ctcggtcagt gtactgccct cc

392

<210> 2042<211> 401<212> DNA<213> Homo sapien

cggtgtgtc ggctttttgg actgtttct ataaaatctg ggaagatggc tccagtgatc  
60attctacata tattgtacaa acactagatt ttcacctggg tcataatact atggttacca  
120aaccatgtgg tgcttttgaa agtcctatgg caacaataac caagataaca aggcgtcgcc  
180atgaaaatcc accccatgga gtaacaagt tgaaagaat gttcaattat gttacagcta  
240caaggaatga agagctaaat ctgcttcgta atgttgatgc taacaacact gagaatagca  
300ctactgtgaa gaattctagt ttgttgagt gattcagagg aggttctagc tacaaccatg  
360aaacagagac tatctttgca ttaccaagga tgcagcttga c

401

<210> 2043<211> 398<212> DNA<213> Homo sapien

cggtgtgtc gcggcccctc cccttctccc acagccaagg acagacaggc tgcctggacc

60tgagcccaac agccttcagc ctcagaaacg catggggggc cacacactcc ttatatcctc  
120ccacactaag gttcccctgg cccacaggga gtttcaggaa agccccccaa gttagccact  
180gctctaggac gagctctgtg tccccacac cacaggcctc gaagcagggt gctggtgggt  
240gccctgcacc ccaatcccag gtccccttg cccctatctt ttctcgggcc cattggggcc  
300tgtttctcac ctgctggctg gacccctga agggccgttc ccagaggctc cccaggaggc  
360tcaaggctgg gggcttatgt tgtggtcggg ggtccccg  
398

<210> 2044<211> 397<212> DNA<213> Homo sapien

cgttgctgtc ggaaagctct gtgttctttt gccttcaatc tgntggcttc aaaacaaaca  
60ggcaaaaaaa gcttcttgcg cgttccctc cctgaaaac ttcctttttc tttttgcttg  
120tatgcacaag gtaggactta cttcgtaga aacaaaatgc cagtattttc ttaagccatg  
180atgtgaaacc aatgaccctg tgaccacatg gcacagaaca ctaaattttg gtcccatggc  
240tgaaacttga ggggtgactaa aagtaatgcc tgtgaaacat gatattctatc tgggatggcc  
300atttgatctc taaaaggaat tttgtacact ccacagaact cctatctata gtaaaattga  
360ttttcagttt taaatgtggg caaaaaggca ttctctc  
397

<210> 2045<211> 394<212> DNA<213> Homo sapien

ggcacgagca ggcggcagag gttgcagtga gccaggatcg cgccactgca ctccagcctc  
60agcaatagag tgagactgtc tcaaaaaaaaa aaaaaaaaaa acccccccca ttttcaaaca  
120accccgga aaattttttc ggggcccttt taataaaaaa ccacgggggt tttacttttg  
180tattttccca aaccccttg gggcagggtt tggggggcgg aatttttttag ggccctcaaa  
240aaaatccttt ggggtttgaa aaccgggaaa accggggcat taccctttt tgggaagggg  
300gcaaagcctt ttttttttg ggctttctt tttttgagaa ggggtcttcc cttgtcccc  
360ctgcttaaaa accctggtgc aaaccgtgc taag  
394

<210> 2046<211> 397<212> DNA<213> Homo sapien

ccaaaccac gtcaaaaatg gctgttttc agcgatgtta taaaacaaag gcctgttttt  
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120ttgaataaaa taaaattttt gtaataaaaac ttttaaaaat cagtgtatga aatcaatat  
180ttaagactat aggtataaaa ttgtttgatt tcattaacta gcccttttga tgcctagaca  
240tgtttgtaaaa aaattgtgct atggctgctt tttcttctgc ccacaacac aaagggctat  
300ttctacaagg caaagatttg gatattgtct attctttact tcagattgag agttgngaaa  
360aactggagta aataatgggt ttcttacttg cttanaa  
397

<210> 2047<211> 400<212> DNA<213> Homo sapien

ggcacgagct ctggggctac aggtgaggac aggaggggga gctcccagcc tgagagtgtg  
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120tcccattgtac tgctggtatc tgagtcagaa gtagccaaaa caaagccacg tcacgccatg  
180aaacggaagc ggacagcaga taaatccact agtacaagt atcctgtgat cgaggatgac  
240catgtgcagg ttcttgtatt aaaatccaag aatcttgttg gagtcaactat gaccaattgt  
300ggaatcacag atctagtgtc aaaagactgt ccaaagatga tgttcatcca tgctaccagg  
360tgcagggtac taaaacattt aaaggtagaa aatgcaccaa  
400

<210> 2048<211> 401<212> DNA<213> Homo sapien

ggcacgagc tatccctcct cctgttctt cctccagagg tagtctctgt taccctttta  
60tttgtttctt ttatgggttt ttttgctgta ttatacaaa tcgatgcaca aagagggttc  
120tcttctctca taaaagtgt ttttagtctt cagtgcgcct tttttctcc taacaaatgt  
180aaactgggag cattttccca agtatatt tataatactt acggggccta tctagtattc  
240tgtgaatata tactgttaat ttattccttc ccattgacag acttaccttg tttccatgta  
300ttgccattat aatcaatttg caaagaaaat tgctgaacct ttgttttttc actagagata  
360gacattttat ataataagtt gttgggataa gcagttttga a  
401

<210> 2049<211> 401<212> DNA<213> Homo sapien

gggccattac ccagccccgg gcccggggtg cctctgcgtc cgtgccaggc ctctgatgc  
60caaggccaca tccccgtgct tccagtacc agaccactga ccacctgac tgtccaaacc  
120tgtgacccca ggccaggga cggggaggaa accaaagaaa accattttca gggagctcag

180acgtcacagg agggagcggg agcaggatgt ggccttggcc tcgccagagc acctgaagaa  
240gcatgccgtg agcgaggctg cgagtgccct gggcgccgtt tctcacgcag tgaatgcttt  
300tccaggcctc tgttgcttac tgcaccacac ctgggggggt gggagcgtcc tctaggtgcc  
360cctagttctt tgtcctgcct cccagagggg gaaaaagccc c

401

&lt;210&gt; 2050&lt;211&gt; 401&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggctgtctgt cagtggagat ggtgttggct gtctgtcggg ggagatgggtg  
60gggggtgtct gtcgggtggag atggtggggg ctgtctgtcg gtggagatgg tgggggctgt  
120ctgtcagtgg agatggtgca ctctgactgc tattattcta catttcactt tgcactggta  
180ctagggacta gatagaattg accggggccat tgaggatagg ctgcttctac tacgccccct  
240gtccactggg cagccacttt tttagacacc aggtgtgcac cgggcgcatt tcctcctcca  
300gcccgtctta ggatccccac cctgctgttg aagggggccc attcttcaac gcttcataag  
360acacttgtcc ggagaaacct ccgttcgggc cgaaactgtc g

401

&lt;210&gt; 2051&lt;211&gt; 395&lt;212&gt; DNA&lt;213&gt; Homo sapien

gccaaacatc cagaatgtga tgggacaaga tgggggcagg ggccctcacct ccctgcagag  
60gtccggccag gtctccttgt ccctggacaa tctcctgagc ctctctgctt ggtggagcag  
120gcacctgtgt gcagaattcc cactgtggcc agcacgagga agtcttttct agtgaaaatg  
180tgtcttggg tcaggaataa ttatccttcc ccctgtagcc accaaggagg gcaaatagag  
240aaaggtaacc taattgaagg attgggtcatg tgaaaagggc tacatttggg aagctgggaa  
300aggcctccag gcttctagag cagctagctt gggctggatt ctacacacca ggctgccctt  
360tggattgttc tacccaagct tttccctggg gtctg

395

&lt;210&gt; 2052&lt;211&gt; 390&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg tgtgtctgcc acccgccctt ctcaagtga gctctgggtc gagagagggg  
60gggggtgaat tttgggctaa ggagcctgct gatgtcactt ttcttgtctt ttcaattatc  
120tgtattggct ttttgattgt caaagtaaaa aaatgtgaag attacaggaa tcatgtcctg  
180ataatagcta ctcatatca agccctcact atgtgccagg caccttcttg ggacttggct  
240gcagttgtct gttactcttc acacaagctc aatgaggcgg tctgtttatt accattttta  
300tttttaagaat gaggagaatg gagcttcaag aaggtaagca acttgccgac cgtcacacag  
360cttagccgag gaagagccag gcttcacaca

390

&lt;210&gt; 2053&lt;211&gt; 388&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggcagatcac ttgaggtcag gagttccaga ccagcctagc caacatgggtg  
60aaaccttgtc tctactaaaa ctacacaaag tagccaggcg tgatgggtggg cacctgtaat  
120cccagctact caggagcct gaggcaggag aattgcttga acacagaagg taggcattgc  
180agtgaagtga aatcacctca ttacactcca gcctgggcaa cagagcgaga ctcttcttta  
240aaaaaaaaaa aaaaaaaaaa tccgggggccc gttttttaag aaaatccaaa ctggataaaa  
300accttggggg agttgggaca acccccacct aaaaggcggg gaaaaaaagg ctttatttgg  
360gaaattgggg aggctttggc tttattga

388

&lt;210&gt; 2054&lt;211&gt; 397&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagca gaggtgggag gtgatgagac tcaagactac agagagaaga aagggccggc  
60agcccagatc ccagccccac cctcctgcc ctgcattcag gcagagcaca gagggataaa  
120gagggagggtg ggttggggga caaggcagag atgcatatac ctgggacgta cacctgcgtg  
180gagcccagaa ggaggttct gtccgccaca ctgctagtcc ccagggcccc cttgcaagtg  
240gacatcatgt taccacacat gcatgtgact tggccagagg agacagagtc ttcatgtgaa  
300ctggaaaaag atccccctct cccggtggat acatttgaca aacaaaaagt gggctgggtt  
360tcagcccctg ctcatctcat tggcccaata cctgtgg

397

&lt;210&gt; 2055&lt;211&gt; 390&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggccgcagggt gagcgccgcg gtcccggcga gcaggctcggg tcagcccagg  
60ccagtaacct ctgagttacg ggaggagtga tcgctagggg ccaccccggg cccggccaga  
120tctgccagct cccctctctg gcgggtgttc tgggtccaag tctgggagcc caggtagccc  
180tccgcagaca gggcttctcg gcacctcaat gaggacggac gttgatgagg ccatgaatga  
240gatgtcatgt ggcctgtgtt ttggaccgtg gttcgtacct atgctcctta tgtcacattc

300cctggttgcc tegtggtcgg ggctgtgggt taccacctgg aatgggtcat caggggaaag  
360gacccccagc ccgtggagga ggaaaagagc  
390

<210> 2056<211> 403<212> DNA<213> Homo sapien

cggtgctgtc ggttaccttt ggctccagct actagctttc ctttttggaa ccttacagg  
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120gatttcacta agatcaaggg atggagggga aaatttcata gtgcttctgc atctaggaat  
180gaaggtggaa attcagaaag ttcactgaaa aatcgttctg ctttctgtag tgataagcta  
240gatgaatact tggaaaatga aggcaagctg atggaaacaa gcatgggttt ttcttcta  
300gctcccatat ctctgtgggt gtaccagctt cccactaaga gtaccagtta tgtaogaaca  
360cttgatagtg tactaaagaa gcaatctact atttccctt ctn  
403

<210> 2057<211> 391<212> DNA<213> Homo sapien

ggacgagggg gatgagagct gtttcgttcg ggacaagtcg ccggcggcgc ccgacggagc  
60agaagagaga gcatggagct ggagaggatc gtcagtgcag ccctccttgc ctttgtccag  
120acacacctcc cggaggccga cctcagtggc ttggatgagg tcattcttct ctatgtgctt  
180gggggtcctgg aggacctggg cccctcgggc ccatacagg agaacttga tatggaggct  
240ttcactgaga tgatggaggc ctatgtgctt ggcttcgccc acatccccag gggcacaata  
300ggggacatga tgcaaaagct ctgaggcgag ctgagcgatg ccaggaacaa agagaacctg  
360caaccgcaga gctctggtgt ccaaggtcag g  
391

<210> 2058<211> 396<212> DNA<213> Homo sapien

ggcacgaggg agggagctgc tgacacagcc ctgcaggcag aaggatcccg caaacgtgga  
60ttacgaggat ctcttcctct actccaacgc agtggccgag gaagctgctt gcccggtgtc  
120tgcccttgag gaggcctccc caaagccagt cctgtgtcac caatcaaagg aaaggaagcc  
180gtcagcagag atgaacagaa taaccaccaa gyaagccact ttctcctgcc ccccaaaatc  
240ccctcttgga gagaccgcc agaaactctg gaggagcctc aaaatgctcc ccgagagagg  
300ccagaggggtc cggcagcagc taaaaagcca cctcgccact gtgaacttgt cgtcactctt  
360ggatgtccgg agatccacgg tgatctcacg ccttgg  
396

<210> 2059<211> 402<212> DNA<213> Homo sapien

ggcacgagct tcctctacag ctacagcttt cacatatgac gcagcattcg ggaatgtccc  
60cgtcacctag caacagttat gatacttccc cacagccttg cactaccaat caaaatggga  
120gggagaataa tgagcgatta tctacatcca atggaaagat gtcaccaact cgctaccatg  
180caaacagcat gggtcagagg tcatacagtt ttgaagcctc acaagaggac ctatagttag  
240atgataaagt ggaagaatta atgaggaggg acagcagtgt gataaaagag gaaatcaaag  
300cctttcttgc caatcggagg atttcccaag cagttgttgc acaggttaaca ggtatcagtc  
360agagccggat ctctcattgg ctgttcagc agggatcaga cn  
402

<210> 2060<211> 395<212> DNA<213> Homo sapien

ggcacgaggg ggcgggcgca tctcccacca gagtcaggac aagaagattc acgtgtacgg  
60ctattccatg gtgagccgca gcccgtccc gccctgccgg aggccccagt accagcttcg  
120aggcccacct gagcctgctg cctgaccgg tggcccagc tgagcacgca ggcttcttgg  
180ggttctccca gggtcggcgg cagagccctc cctccagggc ccattgtgtt cctgcattcc  
240cccatggagc acacgccaga cctgaggggt gggacggaca ccccaggca tggccggctg  
300tctcctctcc ctgccttggg aggccttgct gggctctagc tgtcctccag cactttgggc  
360cctggggccc cagaggcagt cagtacctgg gtgga  
395

<210> 2061<211> 387<212> DNA<213> Homo sapien

ggcacgaggg ggcgggcgca tctcccacca gagtcaggac aagaagattc acgtgtacgg  
60ctattccatg gtgagccgca gcccgtccc gccctgccgg aggccccagt accagcttcg  
120aggcccacct gagcctgctg cctgaccgg tggcccagc tgagcacgca ggcttcttgg  
180ggttctccca gggtcggcgg cagagccctc cctccagggc ccattgtgtt cctgcattcc  
240cccatggagc acacgccaga cctgaggggt gggacggaca ccccaggca tggccggctg  
300tctcctctcc ctgccttggg aggccttgct gggctctagc tgtcctccag cactttgggc  
360cctggggccc cagaggcagt cagtacc

387

&lt;210&gt; 2062&lt;211&gt; 390&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggttgctgtc gatgctgtgg ccgaccatcg agccaaagac ttcattcacg attctctgcc  
60ccctgttttg actgataggg agagggcact aagtgtttac gggcttccaa ttcgctggga  
120ggctggagaa cctgtaaagc tgggggcccā gttgacaaca gaaacagaag tccatatgct  
180tcaggatggg atagctcggc tgggtgggtga ggggggcccā ttgtttctct attacacagt  
240ggaaaactcc cgtgtgtatc atctggaaga acccaagtgc ttggaaatat acccccagca  
300agctgatgcc atggaactgt tgcttggttc ttatccacag tttgtgagag tgggggacct  
360gccctgtgac agtgtggagg accagctgtn

390

&lt;210&gt; 2063&lt;211&gt; 401&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagca gggcctcttc aacactggca accagagaat gttaaccagg ctttcaccag  
60acccccacct cctatcctg ggaacattag gtctcctgtt gccctcctt taggacctag  
120atatgctgtt ttccaaaag atcagcgtgg accctatcct cctgatgttg ctagtatggg  
180gatgagacct catggattta gatttggatt tccaggaggt agtcatggta ccatgccgag  
240tcaagagcgc ttccttgtgc ctctcagca aatacagggā tctggagttt ctccacagct  
300aagaagatca gtatctgtag atatgcctag gcctttaaat aactcāaaa tgaataatcc  
360agttggactt cctcagcatt tttcaccaca gagcttgcca g

401

&lt;210&gt; 2064&lt;211&gt; 398&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagca gggcctcttc aacactggct tccagagaat gttaaccagg ctttcaccag  
60acccccacct cctatcctg ggaacattag gtctcctgtt gccctcctt taggacctag  
120atatgctgtt ttccaaaag atcagcgtgg accctatcct cctgatgttg ctagtatggg  
180gatgagacct catggattta gatttggatt tccaggaggt agtcatggta ccatgccgag  
240tcaagagcgc ttccttgtgc ctctcagca aatacagggā tctggagttt ctccacagct  
300aagaagatca gtatctgtag atatgcctag gcctttaaat aactcāaaa tgaataatcc  
360agttggactt cctcagcatt tttcaccaca gagcttgga

398

&lt;210&gt; 2065&lt;211&gt; 388&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcgccaggc gaacctcatg atctatatga tgatctcctt ctcaaacttg ggggatgtga  
60aaactctggt actgaaggaa aagaccgcat atactgggcc atcaatgaca agcactttgt  
120ggcccatata gctaactacc gatctcctgg aagacggacc cagcggcact attcaaccta  
180ccaacacctt atgtgttcaa tttgtgactc acgtgcacat ttatcagaaa acagtccctt  
240accacgāaaa gtctgtcgtc gcttctctgt ctccaggaga ggacatctcc tgtattcctg  
300tccagccccc ctttgcgāat actgtcctgt gcctaagatg ttggaccact catgtctttt  
360cagacattcc tgggataaac agtgtgac

388

&lt;210&gt; 2066&lt;211&gt; 397&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgtgtgc ggaccgccat cctgggggtc ttcctctata acaagaccaa gtacgatgca  
60aaccagcaag ccaggaagca cctcctcccc gtcaccacag cagacctgag cagcaaggag  
120cgctaccgga gccactgga gaagcccccac aacggcctcc tcttcccccā gcacggggac  
180tatcagtacg gccgcaācaa catcttaaca gaccattcc aatacagccg gcagagctac  
240ccāaactcgt acagtttgāa ccgctatgat gtgtagagtc caaaggacag gaccagactg  
300ttgggtgactc cttccccggc cccacagca gtatcagāaa cttctgacāa tcagtgaatg  
360tacaacccag ccgaggggac ggtgcataac tctccat

397

&lt;210&gt; 2067&lt;211&gt; 395&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgtgtgc ggtgggcttg ctccattgtg ttggtgcaac cccagcagcg gtctctgggg  
60ccaggcaggt ggggtggacga ttggacttgg aggggaatac agagggcatg gaagtggcga  
120ggctggcctg ttggcgaggg tgtcctggtg gtggggcggg ctgagtcaag gaaggactct  
180gaagggtccca agcagctgct gaggcccccā aggaagtgg tccaaccttg gacccttagg  
240ggctctggatt tgctgggttaā caagataacc tgagggcagg accccatagg ggaatgctac  
300ctcctgccct tccacctgcc ctgggtgttca cggcggcctg gtcccttctt gccgagagag  
360tgtcctgggt cacggacgca gaggacgctc actga

395

&lt;210&gt; 2068&lt;211&gt; 399&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggttgctgtc ggtgggcttg ctccagggtt ttggttcaac cccagcagcg gtctctgggg  
60ccaggcaggt gggtaggacga ttggacttgg aggggaatac agagggcatg gaagtggcga  
120ggctggcctg ttggcgaggg tgctctgggt gtggggcggg ctgagtcagg gaaggactct  
180gaaggtccca agcagctgct gaggcccca aggaagtggg tccaaccttg gacctctatg  
240ggtctggatt tgctgggttaa caagataacc tgagggcagg accccatagg ggaatgctac  
300ctcctgccct tccacctgcc ctggtgttca cggtagcctg gtcctcctt gccgagagag  
360tgtcctgggt cagggacgca aaggacgctc acagactcc  
399

<210> 2069<211> 400<212> DNA<213> Homo sapien

cactacttca cgggcctgca ggtgcttcag ctgctgctgc tgtgtgcctt cggcatgagc  
60tccctgccct acatgaagat gatctttccc ctcatcatga tcgccatgat ccccatccgc  
120tatatcctgc tgccccgaat cattgaagcc aagtacttgg atgtcatgga cgctgagcac  
180aggccttgac tggcagaccc tgcccacgcc ccattcgcca gccctccacg tctcccagg  
240ctggctctgg agctgtgagg ggaggtgtag gtgtgtgggt gactgctctg tgctgcgctt  
300tctcatggct gactcangcc tggggcatct gggcattgta ggggtgcagt ggtatgtgcc  
360caccctctc ccattatcct ttagctttag gccaaagagc  
400

<210> 2070<211> 389<212> DNA<213> Homo sapien

cggttgctgtc ggcagaaaat agaataaaac aacttgaaac tgactcctca gaagaaatat  
60cacgttacca agaatgatt cagaaacttc aaaatgtatt ggagtctgag agagagaact  
120gtgggcttgt cagtgaacaa aggctaaaac ttcagcaaga aaataaacag ttacggaaag  
180agactgagag ttaaggaag attgccctgg aggtcaaaa aaaagccaaa gtaaagatca  
240gtacaatgga acatgaattt tcaataaagg aacgtggatt tgaagttcaa ttgagagaga  
300tggaagacag taatagaaat tccattgttg aactgaggca tctcctagcg actcaacaga  
360aggcagccaa taggtggaag gaagaaacg  
389

<210> 2071<211> 382<212> DNA<213> Homo sapien

cggttgctgtc gccctaaggg aacagaggct tcttcgggga cagaagctgc cactggcctt  
60gaagggggaag aaaaggatgg catctcagac agtgatagca gtactagcag tgaggaagaa  
120gagagctggg aaccctccg ttgtaagaag cgaagccgtg gccctaagtc agatgatgac  
180gggtttgaga tagtgcttat tgaggacca gcgaacatc ggatactgga ccccgaggc  
240cttgctctag gtgctgttat tgctcttcc aaaaaggcca agagagacct catagataac  
300tcttcaacc ggtacacatt taatgaggat gagggggagc ttccggagtg gtttggtgca  
360gaggaaaagc agcaccgat ac  
382

<210> 2072<211> 394<212> DNA<213> Homo sapien

ggcacgaggt taacagtgat gatgacagcg ggctgctggg aactgtatc tcaggctggg  
60atcggacccc cctcttcate tccctcctgc gcctttcctt gggggctgat gggctcatcc  
120acacgtccct gaagccact gagatcctct acctcactga ggcctatgac tggttcctct  
180tcgggcacat gttggtgat cggctcagca aaggggagga gattttcttc ttctgcttca  
240attttttgaa gcatattacc tccgaggagt tctctgctct gaagaccagc aggaggaaga  
300gtttgcccag ccgggatgga ggcttcaccc tggaagacat ctgcatgctg agacgaaagg  
360accgtggcag caccaccagc cttggcagcg actn  
394

<210> 2073<211> 384<212> DNA<213> Homo sapien

cggttgctgtc ggtctgaatg ccgcctgcat ggcattgggt gatgcaggtg tgcccatgcg  
60ggctctcttc tgtggggtcg cctgcgccct ggactctgat gggaccctcg tgctggatcc  
120tacatccaag caagaaaagg taggtgtgaa gaccaggggt gctgaagggc agaggccaga  
180cagctgcccc tcccttcttc caggcctcgc ttctctacag acagtcggct catgccacct  
240caatccact tagcaagggc tgctctaate atcatgggtt atttagcagc aagtgtgga  
300aaccagctc agacttgctt aattaggaag gaaatgtggg gccgggagcg gtggctcacg  
360cctgtaatcc cagcactttg ggag  
384

<210> 2074<211> 393<212> DNA<213> Homo sapien

ggcacgagga aaacttcaat gaaactgaat aaaacaactt cctctgtcaa aagcccttcc  
60atgagtctca caggctactc aacacctcgt aacctccaca tagcaaaagc cccaggctct

120gctcctgctg ccttatgttc tgaatcccag tcacctgctt ttcttggtac atcttcttcc  
180acacttactt caagcccaca ctctggcact tccaaaagaa gaagagtaac agatgaacgt  
240gaactgcgta ttccattgga atatggctgg cagagagaga caagaataag aaactttgga  
300gggcgccctt aaggagaagt agcatattat gctccatgtg gaaagaaact taggcagtac  
360cctgaagtaa taaagtatct cagcagaaat ggn

393

&lt;210&gt; 2075&lt;211&gt; 400&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gaccaacacc aagtactgct tgtgccagat gctacgagaa cagctggagt  
60cgccccaggg aagggttgtc catgctgccc agtcttcccg ggaaatttgt gaggcctttg  
120gccttggtgc cttctatgag gagaccacac aggagctgga tgcccagcag gccaggctct  
180cagccaagac ttcagagcag acaggggagc cagctgaaga tacctctggt gtcattaaga  
240tggctgtcaa gtttgaccgg agagcatacc cagcccagat cacccttaag atgtgcctac  
300tanagtgggtg ccggaggagg aagttggcac agcctgtgta tgaaacggtt caacgccctc  
360tagatcgctt gttctcctct attgtcaccg ttgctgaacc

400

&lt;210&gt; 2076&lt;211&gt; 403&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt tcaagctgca ccgactgcac ttcacccgcc tcttggcagg aggccccgcg  
60aagcagctgg aggccttcag ctatgctcgg cacttccagc cctttgctcg gctgcaccag  
120cgggagatcc aggtgatgat gggcagcctg gtgtacctgc ggctgggctt ggagaagaca  
180ccctactgcc acctgctgga cagcagccac tgggcagaga tctgtgagac ctttaccggt  
240gacgctgtt cctgctggg gctttctgtg gagtcccccc ttagcgtcag ctttgctct  
300ggctgtgtgg cgctgcctgt gttgatgaac atcaaggctg tgattgagca gcggcagtcg  
360actggggtct ggaatcaca ggacgagtta ccgattgaga ttg

403

&lt;210&gt; 2077&lt;211&gt; 400&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gctcactgca acactcttgc cttccagggt caagagattc ttgtgcctca  
60gcctcccgag cagctgggag tacagacccc tgccccata cccggctaatt tttttagca  
120aattactcat ttgtctgtct actttttatt ataaagattg tggcaactct gcttaggact  
180ctggattttt ctgcccatt aaggtaaaaa aagaaaaaaa aaagcaacca ccaccataat  
240attaccaggg aaaccagctg tgttctgtaa aaggccggcc tatcagattc aagttgcaag  
300ccttatacac agtaagtgtc tcatgcacat atccatgagg attcacataa gctgccatcg  
360gccacataa ggataaacta aaacaaagaa tcaacatggt

400

&lt;210&gt; 2078&lt;211&gt; 391&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg agcgtgggtg ggacacggtg tctggtgtan acggggagcg tgggtgggac  
60acggtgtctg gtgtagacgg ggagcgtggg tgggacacgg tgtctggtgt agacggggag  
120cgtgggtggg acacggtgtc tggtgtagac ggggagcgtg ggtgggacgg tgtctggtgt  
180agaccgggag cgtgggtggg acacggtgtc tggtgtatac ggtgagcgtg ggtgggacac  
240ggtgtctgtt gtagacggag agcgtgggtg ggacggtgtc tggtgtatac tgggagcgtg  
300ggtgggacac ggtgtctggt gtanaccggg agcgtgggtg ggacacggtg tctggtgtat  
360aatggaatgg gagtgtgtgt ttgtgacatg g

391

&lt;210&gt; 2079&lt;211&gt; 398&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagcg gtcgaggagc tgcggccagt tttgggaggg ccggccccgg gatgctacac  
60acaacccagc tgtgcctatg cggacatcac gctcgccatc aagtttctgt ttgagcgtgt  
120ggagggcatc tccagggtta ccatcattga tcttgatgcc catcagggca atgggcatga  
180gcgagacttc atggacgaca agcgtgtgta catcatggat gtctacaacc gccacatcta  
240cccaggggac cgctttgcca agcaggccat caggcggaag gtggagctgg agtggggcac  
300agaggatgat gagtacctgg ataaggtgga gaggaacatc aagaaatccc tccaggagca  
360cctgcccagc gtggtggtat acaatgcagg caccgaca

398

&lt;210&gt; 2080&lt;211&gt; 397&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga caggaggaag aaacaagtat aaagggtttt gttttggaaa gaagttggaa  
60tctccagacc ctgggacctt aagatccaca gaattgctga aagaaaaagt actacctat  
120tgaaaggatg aagaaacacg aaaagattat gattacatgc tggatcatcc agaagagtac  
180tacagccatt actaccacta ctatagcagg cgcttgcccc ctaaggtgga tgttagagta



240gtgatttttg tcagcgtgtg tgctatttcg gtgtttcagt ttttcagctg gtggaatagc  
300tacaataagg caatcagcta cctagccaca gtgcccaagt accgtatcca agctacagag  
360attgccaagc agcaggggact gctcaaaaaa gccaaag

397

&lt;210&gt; 2081&lt;211&gt; 403&lt;212&gt; DNA&lt;213&gt; Homo sapien

tcaattccgt tgctgtcggc ggcggccaca gttggggccg gtggctccgg aacgagatcg  
60ggaaggggaac agtccactaa ccctgccgat agctatcatc tggcccggag gagaacctg  
120caaggggggtg cgagctcctt gctgacacag gcagggtttg agagtgccga aaaagcatac  
180gtggaaacgc tgacagagat gctgcagagc tacatttcag aaattgggag aagtgccaaag  
240tcttactgtg agcacacagc caggaccag cccacactgt ccgatatcgt gggcacactt  
300gttgagatgg gtttcaatgt ggacacttc cctgcttatg caaacgggtc tcagaggatg  
360gacatcactg ctccctccggg gaccaatcag ccagtgaccc ccc

403

&lt;210&gt; 2082&lt;211&gt; 394&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagcc caaagtcaaa caaactgact tacagaagct ggcacagagg gaggaagccc  
60tccaaaaaat acggcagaag aatacaatga gacgagaagt aacgggtggag ctaagtagcc  
120aaggattctg gaaaactggc atccgttctg atgtctgtca gcatgcaatg atgctacctg  
180ttctgaccca tcatatccgc taccaccaat gcctaatagca ttgggacaag ttgataggat  
240atactttcca agatcggtgt ctgttgacgc tggccatgac tcatccaagt catcatttaa  
300attttggaat gaatcctgat catgccagga attcattatc taactgtgga attcggcagc  
360ccaaatacgg agacagaaaa gttcatcaca tgcc

394

&lt;210&gt; 2083&lt;211&gt; 385&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggggaattca ttcaagactt tcataaactc accgcagctg acgataaaac  
60tgctcaggta gaagattttc tgcagtttct ttatggtgca atggcccagg atgtcatatg  
120gcaaaacgcg agtgaagaac agcttcaaga tgcacagctg gccattgagc gaagcgtgat  
180gaaccggatt ttcaagctcg ctttctaccc taatcaagat ggggacatac ttcgcgacca  
240ggttcttcat gaacatatcc agagattgtc taaagtagtg actgcaaact acagagctct  
300tcagatacca gaggtttatc ttcgagaagc accatggcca tctgcacaat cagaaatcag  
360gacaataagt gcttataaaa cccc

385

&lt;210&gt; 2084&lt;211&gt; 388&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgcc tgaatgtatt cgagcactat ttgggggatg acacgactag ggagcatcca  
60cctgtgtgag acagctgtga taactatgac gctagagcct catgcagatc caataacacc  
120gccagtaaac agacgaaaca tgccactgac ctggatttaa ctgaacaggg attaggccct  
180atgataaatg gcattgtctc catgttgatg ctgatgctat tgatgatgtt tgctgtccac  
240tgtacctggg tcacaagcaa tgctactct agtccaagt tagtcctggc ctcatacaat  
300catgatggca ccaggaatat cttagatgat tttagagaag cttacttttg gctaaggcaa  
360aatacagatg aacatgcacg agtaatgn

388

&lt;210&gt; 2085&lt;211&gt; 403&lt;212&gt; DNA&lt;213&gt; Homo sapien

aattcggcac gaggtagcat ggagggggag aggacgtagg ctgtgctctc gggctttgtg  
60ctcggcgcac tcgctttcca gcacctcaac acggactcgg acacggaagg ttttcttctt  
120ggggaagtaa aaggtgaagc caagaacagc attactgatt cccaaatgga tgatgttgaa  
180gctgtttata caattgacat tcagaaatat attccatgct atcagctttt tagaatgtgg  
240taggttggtg caaattccgt cgtcattcag atcagatcat gacgtttaga gagaggctgc  
300ttcacaaaaa cttgcaggag catttttcaa accaagacct tgtttttctg ctattaacac  
360cgagtataat aacagaaagc tgctctactc atcgactgga aca

403

&lt;210&gt; 2086&lt;211&gt; 390&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gctcctttgt ggccccctctg caagagaaag tggtcttttg attatttttc  
60ttaggagcca ttctctgect ttctttttca tggctcttcc acacagtcta ctgccactca  
120gaggggggtct ctcggtctct ctctaaactg gattactctg gtattgctct tctgattatg  
180ggaagttttg ttctttggct ttattattct ttctactgta atccacaacc ttgcttcac  
240tacttgattg tcatctgtgt gctgggcatt gcagccatta tagtctccca gtgggacatg  
300tttgccaccc ctcatatcgt gggagtaaga gcaggagtgt ttttgggcct aggcctgagt

360ggaatcattc ctaccttgca ctatgtcatc

390

<210> 2087<211> 383<212> DNA<213> Homo sapien

cgttgctgtc ggctgggtgat agctgtgtta cctgccaaat ctccaccaac aaataaaatc  
60ggaagtaaat ccagcaatgc cagttggcct ccagaattcc aaccaggagt gccatggaaa  
120ggatatccaaa acattgaccc tgaatctgac ccctatgtca cccaggaag tgtgtgggg  
180ggtagacca catctcccat ttagatact gaccaccaac tgctgcggga taacaccaca  
240gggtctaatt cttccctcaa cacctcgctg cttcacctg gtgcctggcc ctacagtgcc  
300tctgacaact cctttaccaa cgttcatagc acttcagcaa agttccctga ttacaaatca  
360acatgggtccc cagatcccat agg

383

<210> 2088<211> 402<212> DNA<213> Homo sapien

ggcacgagca gacatggcgg tggtggcggg gaacagcggg gagacgtgct acagcaagta  
60cggggccatg gccctcaaga gccgggcctg ccacgagatg gccctgagaa tcgtcctgca  
120cagcctggac ctccgcgcca actgctacca gcgcttcgtg gtgcgctgc tcagcatcag  
180cgctgacttc tacgtgcgtg tttttgtccg tgtcttcacc ggccaggcca aggtcaaggc  
240ctcagccagg gccaaagtct ctgcagcctg tgggtccctt gtgacccccg agtgtgaaca  
300ctgtgggcaa cgacaccagc ttgggtggccc catgtgggca gagcccatcc atgacctgga  
360ttttgtgggc cgtgtcctgg aggtgtgag cgctaacccc gg

402

<210> 2089<211> 381<212> DNA<213> Homo sapien

ggcacgagtg cagcctgtg atcccagcta cttgagaggc tgaggcagga gaatcacttg  
60aactcgggag gtggaagtgt cagtgaagct agatcgtgcc actgcacgat ccgcctgagc  
120gacagaatga gattccatct caaaaaaaaa agtacttaat acctacttta aagattgtca  
180tggaatatata aagtatgtgg cccttactaa tgctagataa tgctttgctt tcttttattt  
240gcatcttacc ctcttccgtg agtattgata ctgtcttaaa catagtaggg tttgattaga  
300tatttgcctg ttgccccctt acttgcaggg gatacatata aatgttggtt ygtattggat  
360aatgaatatg atgtttctaa a

381

<210> 2090<211> 367<212> DNA<213> Homo sapien

ggcacgagga gctttgtcaa aatacctggc ctctagtctt gagattttat tattgttcat  
60tagaccagtg ctagggcatg aatgttttgt gtttatcttt tttttttta acctttattt  
120taagggttaag ggaaccccag aagggttggg ccataggaa acctggggcc acaggaattg  
180gtggaccatt taattcctcc ccccgggggg aagccccagc cctaaaaagg aatttttttg  
240gcccttttcc tttccccccc cttccccctt aaaaaaaacc ccagggccaa tggttccttt  
300tttggggcca aaaagtctta acatttccct cccctaaaa agggaaacca gcgcggagtg  
360aattttg

367

<210> 2091<211> 363<212> DNA<213> Homo sapien

ggcacgagat agggtagtct tgactagata taaccaaggg ataaaagagg attagctgac  
60tcaggataac atttcagggt tgtgaagatg aatttgtcct ttgaaacaga tctttttaga  
120aagggtgttt cataatttct gaccgaagta tttgttacac gtaaaataag taagaacgga  
180ctgaggccag aaagctgttg atgacagaag ggattgggtg attctcagtg aattttgata  
240caaattaagt atgtgggtag tttttaaata catttactat atatatatat taatgaaaaa  
300ttgtttccta aactgtgaaa aggcttatta aagaaattta gaggtggat gcggtgactc  
360atg

363

<210> 2092<211> 380<212> DNA<213> Homo sapien

ctttgatcct tctggaatta attttggtgc attgactgag gtaggggctc acgtttcctt  
60cccgatgtca gccactactt ttggtctttt aatctataaa agcagggcac tgggttagaa  
120tttctctaaat ctcttatata tcaaacaaag cactcactgc aaacttgatc aatagaggaa  
180agtatgcttt ttttgtattt taccttttac cagtttcact tactgtaaat cataagggtg  
240tcttacatag tagaaaaata gcattatctt aaacctggct ttttattact aaatatatca  
300ctaaaaatgc tttacaaagc agtaatgatt ttatttcttg ggggaataaaa tcaagaaagc  
360taaaggagct gctatgccac

380

<210> 2093<211> 375<212> DNA<213> Homo sapien

ggcacgagac gaaaggaaac cttacagaaa catgaagccc tcaaccatct gctactcagt  
60tattcggggc tgacggcggc ttctagaaca tccaggtgtt ctgcagatgc gagaactcat  
120cctgtagtca ccagatggag tcccaaacag ccaagcagat gtaaggcctg tgctgtggct  
180ctgaggccct gaatacagaa gggtcacttt cttagtggcc aaagagcagt tgttgacatt  
240gatgtctaatt tattgaacac gaccagtcatt tttactgagc tgcggtgagg aaacactgac  
300catagaagat caagccaaat gagggattgc aaatttcctg attcttttga attaggattc  
360cagatggggg cctca

375

<210> 2094<211> 369<212> DNA<213> Homo sapien

ccgttgctgt cgggctgagg acttatctgg ggttctgaga ctccctgtcc cggaccgcag  
60cggttaaaagg atctgaacaa agtctgctca aatctcctgc tgtgaaccag cagaattttt  
120gaacagggttt cttcacatat aaaaatctat tgtaaaaata cggaacagaa tggcagcgga  
180aacgcagaca ctgaactttg ggctgaatg gctccgagct ctgtccagtg gtgggagtat  
240tacatccccct cctctttctc cagcattgcc gaagtataaa ttagcagatt atcgttacgg  
300cagagaagaa atgtttagcac ttttccttaa agacaacaag ataccttcag accttctgga  
360taaagaatt

369

<210> 2095<211> 377<212> DNA<213> Homo sapien

cggttgctgtc ggccacgaac acagccttgg gcccaaggtg atgcgcgccg ctcttgagtc  
60cctcagatgc caaacgcaaa aaaaagcctt ctctctataa gacacggaaa tgcaccgagt  
120ccggctctgc ctcaccccca aatccttccg gtcccccacac tcggcagcca aaatcgaaaa  
180ctactctcgt ctcagcgccc ccgctgttga ttacctgcca ttccgcacgg gcgcctgcgc  
240cccggccgct gtcgccgact taggacggca tcccagagact acccttctca aggccgtatg  
300accagtccga gctgccatga tagactctcc gaagccggtc gtcacctgcc ggaccagccc  
360tgcagcaccg tctctcn

377

<210> 2096<211> 372<212> DNA<213> Homo sapien

cggttgctgtc ggccacgaac acagccttgg gcccaaggtg atgcgcgccg ctcttgagtc  
60cctcagatgc caaacgcaaa aaaaagcctt ctctctataa gacacggaaa tgcaccgagt  
120ccggctctgc ctcaccccca aatccttccg gtcccccacac tcggcagcca aaatcgaaaa  
180ctactctcgt ctcagcgccc ccgctgttga ttacctgcca ttccgcacgg gcgcctgcgc  
240cccggccgct gtcgccgact tcggacggca tcccagagact acccttctca aggccgtatg  
300accagtccga gctgccatga tagactctcc gaagccggtc gtcacctccc ggaccagccc  
360tgcagcaccg cc

372

<210> 2097<211> 148<212> DNA<213> Homo sapien

ctangaaaga ccccttctctc ttgcagtgtg tctccagcgc cctctactga caaagtatgc  
60catcatgcaa gctgcaaagg aaacatttca agagtctata tctattttca cggagcgggc  
120accaacagtg aatgtggagc tgagagag

148

<210> 2098<211> 379<212> DNA<213> Homo sapien

ggcacgagag aatgctcca ggctggatcat tccatgtgac tagtgcaggg ttgcatggga  
60gaggatagct gatgaaccca gattgtgaaa ggctttgtgg ctcgtgctga ggattgtggg  
120cttaactctg ggtattgtgg agctgttaaa acacatatta aggagtgcag tgatcagatt  
180ttcctttttta aagtgcattc tgtggagcag taattcttag ctatggagtc caccacaaac  
240tttgtcatga taggttgtga ggtatattaa gtatatgtta ccaataataa aatatcaggg  
300cttacacatt aattgatttt ttaataagtt aaagcaagtt gaggttatca ctgtgatttt  
360cttcattcac ttacatcct

379

<210> 2099<211> 375<212> DNA<213> Homo sapien

ggcacgagat acattttata tttggaaggt tgtccaaggg caggtggggag cagtatagta  
60tatgcatgct caggcagggc tagagtttga cctcaccacc tcaccagtca tattagagta  
120gctgtccaga caaggtgtgg gacacaattt cttatcagac caacaacctg caaagcagtc  
180ctcagtcctc atttccctcc tgcttgtgac cagctatcaa aacctcaact ctggctaaat  
240ccagcaatcc gcctaggttg ctgagcactg ctagagacaa atcatacaac tatgcaaac

300agtgttacta tatgatcact aacctcgat gaaccttcac tgtgcttgca acatcagctc  
360ccattcctac\_cactt

375

<210> 2100<211> 371<212> DNA<213> Homo sapien

cgattcgaat tccgctgctg ccgaaaactt ctggtatattt acccacgaag aacttcacgg  
60gtccagtgga tttgccctta tggccgagtg tccatacaca ctccaaaatt catttatcag  
120ccacaagatt agttcgtgtt tcaacatctg tagcttcagc acatactgat ggaaaaataa  
180agattctgtg tcataaatac cttattggag tgtagcata tttgacagaa ctggcaattt  
240ttcaaattga gtgaagcctt atgtggacta taagttatag attatatact cttattgata  
300acttgcctaa ttgctatgct gaaagagact gcaggagaaa taggcatcta tctctgcatc  
360tgttttcccc a

371

<210> 2101<211> 373<212> DNA<213> Homo sapien

tccgttgctg tcggtttcct tgttggtattt tcttggtctc tgctgctact gtaaaaacga  
60aatgagtggt cctgctcagg ttccaatgat gtcccaaat ggttctgtgc ctcttatcta  
120tgtgcctcct ggatatgccc cacaggttat tgaagacaat ggtgttcgaa gagttgtcgt  
180gggtccctcag gcaccagagt ttaccctgg tagtcacaca gttctccacc gttctccaca  
240tcctcctcta cctggtttca ttctgtccc aactatgatg ccgctccac cagtcatat  
300gtactcacc gtgactggag ctggagacat gacaacacag tatatgccac agtatcagtc  
360ttcacaagtc tat

373

<210> 2102<211> 381<212> DNA<213> Homo sapien

cgttgctgtc gaactgcccc acatcatctg cagtaggacg ggggagttgg agccctggtc  
60aggccactct gctactgacc acagttttct catctctaaa aaggcgcagt aacaatataa  
120ttaccgtatg cagtccecca ggatacaggg tcaaaggaga ccacaacat cgcagatgga  
180agcccatggg gcagggccca ggacacagtg agcatacaat agacattagc tgctgtgggtg  
240tcttgatttc aagcccagtg cagatgcac tgacttacga aacttcagtg acacctgtc  
300tgtgccagac actgaagatg gagcagtga cagcactgac ccagccatgc ctctgttgc  
360ctgcaggcca gaagcaaggt c

381

<210> 2103<211> 362<212> DNA<213> Homo sapien

ggaccaagac aaagttaagt aaactctgga gcagtgtatg tgatgagtgt gtggcagggg  
60gttttttatt ctgcgaaatt ttgtgtacgt ttgaagctac cacagaatag cagatattag  
120aatgattcct gctgactcac cagtgtttc aactgttcac aggggtcagg caggaagcag  
180atctcttgcc ctccctctga tccaggtcac ttagtccagc ccctgaaagc agtggatgga  
240caaccatgcc accctctttc ttccaatata ccttattttg taccctgcc tttttgtgta  
300gcattagatc atgagcattt tctctgcta taaatgtccc ctcaaataatg ttgattcttg  
360tg

362

<210> 2104<211> 375<212> DNA<213> Homo sapien

cgttgctgtc ggtcttgga gaaggaagcc tttccttttt ggcagaagtt tcaaattggt  
60cttattttct gtctactaa ggcagtaata gcatagtgat ggacctggtt gggtagtggg  
120ggacagctga aaaggcagga gttttacttt tgtttgaaaa gagaccacat cacatatagc  
180atctcaccat tcacaaagtg tacatccacc gatactactc cactgttaga gccttcgtcc  
240tcctatggca gtagtataag aaaccttcca ccaagtcaga gtgctctaac tgatgccaaa  
300cctaaacctg gaaataaaga ttttcttgga gcagtaagac ttcagactgt tggttgagct  
360attatctcaa ggtag

375

<210> 2105<211> 367<212> DNA<213> Homo sapien

ggcacgaggc cgatggagga ggggaggtct gagcagagtt cggtgtgcag gcgtaatggc  
60cctcggtgcc tatgaggaga ccacggaatt tgggttgag aaattccaca agcctcttgc  
120aactttttcc ttgcaaacc acacgatcca gatccggcag gactggagac acctgggagt  
180cgcagcgggtg gtttgggatg cggccatcgt tctttccaca tacctggaga tgggagctgt  
240ggagctcagg ggccgctctg ccgtggagct ggggtgctgg acggggctgg agggcataat  
300ggctgccctg ctgggtgctc atgtgactat cacggatcga acagtagcat tagaatttct  
360taaatcn

367

&lt;210&gt; 2106&lt;211&gt; 375&lt;212&gt; DNA&lt;213&gt; Homo sapien

acgggacgag ggctcttgct ggtcccatgt tgccctgccct ccgaggagcc tcgccaggca  
60gcagctgccg cctcatcagg cgagaccccc caccagggtg ggcaaaccga ggtgcccata  
120ttcggagaca cctccaaatt ggccatgtcc acagacccca gccaaagcca ggtgccagta  
180gggctggacc agtctgaagg ggccctccctt cctgctgctg ccagccctga aaggccccc  
240atctgcagcc atggcatgga ccccaaccga ctgggctgcc ccgattgtgc ctgcaagacc  
300cagggcccca gcacggggct ggactgacca cagcagggga cctgagccgt gttccccagt  
360ctccatatgc agctn

375

&lt;210&gt; 2107&lt;211&gt; 370&lt;212&gt; DNA&lt;213&gt; Homo sapien

cagggtgtc ggaacactgg agttttgctt agctacctac tcctcgccaa acatgaactg  
60ccctctggca tagagtgggtg taatgcgaaa ggaagagaca ttgtcagcct ggctcgagga  
120tgcccgcggtt ctgggggaga gatttacctt tggcctaaat ctccctctgt gtctcttgaa  
180gaacttacgg tatcttgctt atactagtgg atgttccttg agctgtgtgg tatgtttcct  
240aattgtgggt atttacaaga aatttcaaatt tccctgcatt gttccagagc taaattcaac  
300aataagtgt aattcaacaa atgtgacac gtgtacgcca aaatatgtta ctttcaattc  
360aaagaccgtg

370

&lt;210&gt; 2108&lt;211&gt; 381&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgtgtc ggcaggatga tgggcaggac agggagaggc tgacctactt ccagaacctg  
60cctgagtctc tgacttcctt cctggggctg atgaccacgg ccaacaaccc cgatgtgatg  
120attcctgcgt attccaagaa ccgggcctat gccatcttct tcatagcctt cactgtgata  
180ggaagcctgt ttctgatgaa cctgctgaca gccatcatct acagtcagtt ccggggctac  
240ctgatgcacc cgccgaggcc cgagtaccag actccgttct tgcagagcgc ccagtccctc  
300ttcggccact actactttga ctacctggg aaccttatcg acctggcaaa cctggtgcc  
360atttgctga tctctccacc g

381

&lt;210&gt; 2109&lt;211&gt; 377&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagagct gaagcgcttc ctgcttacca agttgcctcc atatctaatt ttttgtatca  
60agagattcac taagaacaac ttctttgttg agaagaatcc aactattgtc aatttcctta  
120ttacaaatgc ggaactgaga gaatacttgt ctgaagaagt acaagcagta cacaagaata  
180ccacctatga cctcattgcc aacatcgtgc atgacggcga gccctccgag ggctcctacc  
240ggatccacgt gcttcatcat gggacaggca aatggatga attacaagac ctccaggtga  
300ctgacatcct tccccagatg atcacactgt cagaggctta cattcagatt tggaagaggc  
360gagataatga tgaaacc

377

&lt;210&gt; 2110&lt;211&gt; 143&lt;212&gt; DNA&lt;213&gt; Homo sapien

tcaagttaca aaagctctgg aaccctgtgg cttcaaattc tttgggaagg gtgactgttg  
60tttcccttac acacagtgtg agccggaatg ggaatcgctg aggctctgat ccacttctaa  
120gaacagaagg aaagtgaagg cag

143

&lt;210&gt; 2111&lt;211&gt; 354&lt;212&gt; DNA&lt;213&gt; Homo sapien

tttcttgtgc tagaagacaa ccgaattgtt ttggctaaga aacactaatt tagctgaatt  
60cccacacact caaaaatatt ttctaccaa ccccaaatca attgatgtct ccattctaca  
120tggtgtgtct caatgtcagg aaactcacta tattccaaaa ttccatttgt tgcgaagag  
180aatcattata gagagacccc ttcatgtgac ctgcgacctg cgatatttaa ttctatttaa  
240aagacagaca cacagggaaa tatatagctg agagatgctt tcattaatag agaactctgg  
300gaacccttga gtaatcacat tttagaccaac tctagtgaat agaccatttc cctt

354

&lt;210&gt; 2112&lt;211&gt; 332&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaaacgaca gaaggggaga ggagggtgc agatgatgac ttggttttgc  
60ctggatttag tctgggatgg ggaatgagaca tcattgttaa atggcttat agggagttag  
120aaagaggcta aaacctcaag agatagagga aattcaagta caggattaag ttgaacaaaa  
180gtgataacca accccacaag gtgattttta ttctgtaacc tcagtgggga aatcttcggt  
240gcagggcagt ggtcctcatt tggggtgatt ttgtctccc aaggacatt tggcaaatgc

300tagaaatatt tttggttgct acaactcggg gg

332

<210> 2113<211> 337<212> DNA<213> Homo sapien

ttttcggctg ccagattacg acagaaggga aacctttaa gtctttgagt ttcgaaggac  
60aaactttggg atttccttgg ttaaactcaa agtgactgtg tgacagaagg ggtggattag  
120ctatatctt tgctgtattt ttataactaa agctacaatg attaggaag ttgcaatgtc  
180aatcaatat tctctcattt gtctaccaga aagcagtctt actagaaatg cacatacata  
240agatttttga tttggttcca gttgacactt gatgtgtcaa gtaccaggca gtaaaatgca  
300gatccagtaa catttctttt tcttttggtg ctactgtg

337

<210> 2114<211> 337<212> DNA<213> Homo sapien

tacggtgcga gaagacgaca gaagggataa acaattttt ttaaataaat gagagatagc  
60taagggtttt taaaaattat tatatctaca ttatgagaag aaggccttta ttgtccttgg  
120aggtatgcat ttccagaccc cttacttaag agtccttga atgtggttct gcttgacaga  
180gttctgtatt agcacttggg taccagaggc agcaccacaa tcaagctgcc aggccagaga  
240atgttttctt tccaaactca gctgcctct tgcacttaat ctaattgggt agtgatagaa  
300aagtacagtt gttactaaaa cactcttttg cctggag

337

<210> 2115<211> 222<212> DNA<213> Homo sapien

ctgaaagttt tgaatttgat taaagttatt catgtctgt taatctctgc aacatttgta  
60gttgcgttt tctccttttg tctttgaaga attttgcccg attttttcc tagtagttt  
120caaagaacca gctttagct tgagtgtac tgggtgttcc tagctcatca tcggatttcc  
180tgtctctccc cgtccagctg cttaaagtaa tttttaagct ca

222

<210> 2116<211> 462<212> DNA<213> Homo sapien

cgttgctgtc gaggatatgc tgttgggtga ggatggattt aatgttgata caagtatttt  
60ggtctgagcg tttggaagaa agttggcact gaggtgggaa gtcgagttta gttttgttag  
120ttttggatgt gtttaagttg agatgctgat tcttcagaga agtctaagct ggagaactat  
180atagagagtg gaaagataac aatagacatt gaaagccatg atacaggata aggtcatttg  
240gagagaggat agactgcatt ccaacatgag attggttgac aaagagaaac caaccaaggt  
300aattaagagg tgcctccact gcattgtac tcagaaggct gaggttaagat tgttagaggc  
360cagcctgggc accacaggga gaccccatct ctaaaattta gccaggaacc atggctcatg  
420cctgtagccc caggaatttg ggaggctgag tggggaggat cg

462

<210> 2117<211> 454<212> DNA<213> Homo sapien

cattacgtca gcaacgncnn cnngnnnnng atcccatcga ctgcaattcc gttgctgtcg  
60aaataaatga ctggatggc gttctttttt aagtttcaa ttgacattcc agacaagcgg  
120tgctgagcc cgtgctgtc ttcagatctt cacagcacag ttcttgggaa ggtggagcca  
180ccagcctctc cctgccctag cagatgctaa tccaccgtgc gtcttggcag aggttgaagg  
240gggctcctca agtcccaggt ccagcttggg gtggttcagc tactcgagag acatctgctg  
300ctaattggatg agcagtcac ctggacgcag gaaatcattt tttatttggg gcaaagaggc  
360agaggaatgg agctcagagc ttttagagaa tatgggccag aaacaggaag gagtcacgac  
420ctgataacgg gaaccagcgg acagtgaacg cagt

454

<210> 2118<211> 442<212> DNA<213> Homo sapien

cgttgctgtc ggatttacia aagaatctac ttgactctgt ccctggagtg aaatccttag  
60ggttggaaact tgtgggaaca ttccaacttg ctaagcaggg tccactggga ggaagctct  
120atctgggaac tcaccccccag cgcacacaca tctccccag ggtcccaagg cccgcagct  
180tctctccccg accaaacccc aagacctgga tcccaggaga caacagtctc cacagtgaga  
240gcaacattaa gggcaaagcc atggagaaat gtgggagagg cggcctcaa atctttccat  
300tttaacaaacc ccagtgtgg gtatggacag catgcagggc ttttgggnc gttccccg  
360ctcctccatc accctcagcc ttcacacttc aaagttcaag ttcaaagctg ttcaagtttc  
420ctaccagcaa agagccctaa ct

442

<210> 2119<211> 436<212> DNA<213> Homo sapien

cgttgctgtc ggatttacia aagaatctac ttgactctgt ccctggagtg aaatccttag

60ggttggaact tgtgggaaca ttccaacttg ctaagcaggg tccactggga gggaagctct  
120atctgggaac tcacccccag cgcacacaca tctccccag ggtcccaagg ccccgagct  
180tcctcccccg accaaacccc aagacctgga tcccaggaga caacagtctc cacagtgaga  
240gcaacattaa gggcaaagcc atggagaaat gtgggagagg ccggcctcaa atctttccat  
300ttaacaaacc ccagtgatgg gtatggacag catgcagggc ttttggggcg cttccccccg  
360ctcctccatc accctcagcc tccacacttc aaagttcaag ttcaaagctg ttcaagtttc  
420ctaccagcaa agagcc

436

&lt;210&gt; 2120&lt;211&gt; 434&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gaaagttatc aagtaaatat gtcctctgtg ttctgtttca tgtgatggag  
60ggggtttcag tctgtgttct tggagccaaa ggggttcctca aggggtgcctc aagagtaatg  
120gtttaagaaa agagggggcaa tgagagggag cgagggggaa ggcctagtgt gtatttgagc  
180agggggcctta agctccatat cccaccccc tttacccaaa acagcccatt tttcttatgt  
240atattggaat ttcaagtaag ctttcatggg gtgcagtggg gcggggagga atggatggga  
300taaaaaaagt ggagattttg ctgctttaaa aaagttgaga actacttgtg taggttttaa  
360ggattttaat gtatttcatt ttggcaaatt caactgccac aaagcagcta tgcataagtg  
420taactgtgca gtgg

434

&lt;210&gt; 2121&lt;211&gt; 434&lt;212&gt; DNA&lt;213&gt; Homo sapien

tcgttnaatt cggcacgagg atgccaggc caccatggag ctatataagt tggttgaagt  
60cgagtgggaa gagcacctag cccggaatcc ccctacagac tagtggcagt ggggacgtg  
120gtgatatgag gaggcagagg cagcacccag gagaaacagg gcagtggacc aatggacagc  
180tccaccagct ccacatcttt ggaagctaga tttggggaga gagaagctct accccagact  
240taatacccat tgaaatttca cctcaggtgt tgtgtcctgt gtctgggtta gtgtcccatg  
300gaaggggaaa gccttcacgt cagaacccaa ccctatacct tttacttctt anatggtgct  
360aaccacaggt gtcccagggt gctctgtgcc agttaagatt tttacttttc aaggggcag  
420gcatactggg aaat

434

&lt;210&gt; 2122&lt;211&gt; 431&lt;212&gt; DNA&lt;213&gt; Homo sapien

tctcatgggc tgcctgggac cagcaactcg aatagcatct gatttgggag ccaaaggcag  
60ggctcctgag acagcagga tggtgtcctc tctatctcac ctaagctact ggctacagcc  
120actgccaacg ggcattgggt gaaagggaa gacgagagcg ctggccttga caggaggggc  
180ttcagcagct ccagcccaga gcaactgggc agcatcgact ccaccaaggc ccccagacc  
240cccaggagtg gagcggccca tctctgcgat tctcaggaaa cgaactgttc caccgctggc  
300cactccaaaa cgccgccaag tggagcagat tctaagacgg tgaagctgaa gtcccctgtc  
360ctgagcaaca ccaccactga gcctgcaagc accatgtctc ctccaccagc caaaaaactg  
420gcccctttctg g

431

&lt;210&gt; 2123&lt;211&gt; 423&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagat tttcttaact tgaaatttct tactagccct ggtgaacttc tgtgcttaaa  
60aaaaaaaaaa aaaaagggga aaatttctact ttaaaaactt ttgttaacag caggggaccc  
120ttgttatttt caggtcccc accccccaaa aaaggggggg gtttgctccc tttaaagggg  
180tggaagccc taattttttt taaaaaaca gtgccacac tttcccaaac caaaagggg  
240ggaaagggcg gcccttttga aaaaatgcgg aacccttta taattttttc aaggggaacc  
300aaaaaaattt aaaatgtatt aaaaagtga ccccgcccc tttgaaacct aaaaaaagt  
360tttaatgggtg actttttacc aaagcggggg gcctaaaacc taataaccca ccgctttgga  
420agn

423

&lt;210&gt; 2124&lt;211&gt; 170&lt;212&gt; DNA&lt;213&gt; Homo sapien

ngaanganeg cgagaatgca gttccgcggc agaaacctct gtagaggagc aggatgcaac  
60cgacaggctg tggccggaca gctgctgcc agcagatgga gcctgcacgc gcacagtttg  
120gccaaagaag ccccatatc cccggtgaaa aagatggagt cttgctctgt  
170

&lt;210&gt; 2125&lt;211&gt; 424&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgatgctgtc gccctcagct cctgcttcc aaacctacct tacagacctg cctggcctgc  
60acctgagcca cctcttctt ccttctatt cccactaagg aggtgtccct gcttcttca

120tagtgggtcc ttccctgca ccgggaaca ggcctagag atgactccat ggggtgaagg  
180accagagcct ccttgccctc ctctctgtct ctctctccct ctcttgtctt cccatgaagc  
240tctgatgttt ccagtacaaa ataaacctcg ctacgtccca gtccttctcc agttcctccc  
300ctcacaagca tggcccccca ctgctggctt tccttcccca cctccaccc tctccttggc  
360cttctccact ctggcttcag tggcctccga tggctacact caaagcctgg gtgcactggc  
420cttt

424

&lt;210&gt; 2126&lt;211&gt; 424&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggc cttcacagcc agaagagggt gtgaagggat aaacacttct gagagtgggt  
60ggtagtagaa ctgagtattc aagactgaat gttaggcagg tagacagtga ctggttaggc  
120tgagaaactt acaagtattt tcgttgagtt ctgcttccac tattatttac ttacaatgg  
180atatgaagtt cagatttcat cttatttact gaaggtggag aaaggatgtg gaagtagggg  
240ttatgggctc tcaaaagtag atttagagag atttttttat cactgtttta tgatatagtt  
300cactgagcac ttacatagat taacagttac aagtttccat aaatcagtta gaatatgact  
360agcttcaggg aaggaatttt caacaactgc aatctttgat tgttttactg tgggaacttg  
420cagg

424

&lt;210&gt; 2127&lt;211&gt; 423&lt;212&gt; DNA&lt;213&gt; Homo sapien

tctttgccct gatttccgtc ttttgaaaat ttatctggga tgtggacatc agtgggccag  
60atgtacaaaa aggaccttga actcttaaat tggaccagca aactgctgca ggcgaactct  
120catgcagatt tacatttgac tgttgagca atgaaagtaa acgtgtatct cttgttcatt  
180tttatagaac ttttgcatatc tatattggat ttacctgcgg tgtgactagc tttaaattgtt  
240tgtgtttata cagataagaa atgctatttc tttctgggtc ctgcagccat tgaaaaacct  
300ttttccttgc aaattataat gtttttgata gatttttata aactgtggga aaccaaaccac  
360aaagctgata acctttctta aaaacgaccc agtcacagta aagaagacac aagacggccg  
420ggc

423

&lt;210&gt; 2128&lt;211&gt; 426&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagca cataactgag ctcaagctct tgccaaacac caacaagcaa gatggttgca  
60acctggcaac attgaatcca ccaccttggt gtcctctctg gaagccccag caccgggggg  
120cttttgggca cagggtcagt ggtagccatc ttagacactg acatttggct ttgtcgtcaa  
180tttcatcacc ctcttgagg ttactgtgca gtttcaacca gcattttatc ctagtgggt  
240cattatcagg agttgccata tcatctctcc agtacctaac atttctcatc cacttcaaaa  
300gctgttctga ctgccagctg gctgatctaa gtcctgagg aatgtctcct ctcaaaggaa  
360tttttccctc caaaggcccc ctgaagtcct agttggcatt ggctgggac atgctttatg  
420ttaggc

426

&lt;210&gt; 2129&lt;211&gt; 424&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggc cacattcact ctctctgttg cttttcttcc tctgggcaaa gaagggttc  
60cagtggcctt tctcactct gtagtgtttg tgggatagg ttccatgcaa gaacaccttc  
120ctctccatc cccacttca ccccatccca taccagttcc atccagggtc tggtaactg  
180ccaagagcag gtcttgaggt tcccttcacc tgcagagtcc ttttcatgac ctaggaggtc  
240ttattcaaag cctcattga cagaggagga aacaggccaa ggcaggacat ggctggacca  
300tggtgataca gctctgtgtg attcaagttc tggcagagct tgtaaggcta gagccaggt  
360ctgccgacac cctgtgcttg ttgcacactt gatttgctaa ggctgggagac aggcaccatt  
420gccn

424

&lt;210&gt; 2130&lt;211&gt; 428&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggaccggaca aaccganttt nttgaggagc ccacgcact caattccgtt gctgtcggtc  
60ttacagagcc atgatagaac tgtggttagt gagttaaaat tcctggagaa gctactgttt  
120ttctccttg aaacttaggt ttctaaagtt gcacctaaagg aatctgtcac attttctgtt  
180gaatcatgga ttttgttttt gtttttaaca gacattcctt ctgataccga cttgaaaatt  
240agcgtatggt gacctgtgtt taaaaaaaaa agtacaatac acctacatat agctatatag  
300cttaatgaga ctccacccc cccccccctt ttttttggtg tgccgttgtg taataaacg  
360ggggctggcc acatttaagg cttaaaaaatt tttaaatttt gtggctgatg atagcaaaaca  
420cccctgtg



428

&lt;210&gt; 2131&lt;211&gt; 424&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggttctttat gcggagcccg tcgaggtcga attccgttgc tgctcgctccc acctcccccc  
60ccaacatcct tgtccggacc cacttcattct ctgcgcggagg gagaagtcca cagaaacctg  
120gaatgcctgc gagaggaagg aacaaagga ggactcacag attgacacgc tgggctggcg  
180gctggccctc gaattctatag ggtctgggct tttaaacttc ttttttcaaa gtccegcctc  
240aaaaataatgg cttagagaaaag aagtttttga ggtggccgat ggaaggctga ggaattttcg  
300agaaaggggc caggaccatc tggtagctag gacggagggg accaggtttt cttttttaa  
360catccaccac caattgctct caacctgtac cgggtaagca tcagaccctg cgagtgggtg  
420tttt

424

&lt;210&gt; 2132&lt;211&gt; 427&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagcc gtgcagcgt cccgcgagac gctcacctgc gccccagggtg cctggctgct  
60acaaacctatg caatgagcca tgccccgccc tggacacccc cgcccagcat ctgggcctcc  
120acgcttggga ccgtgggagc ggccaacaga gctatgtctg gagacatatg ataaaccacc  
180tcagccccc ccaagccgcc gcaccgtag accagacccc aaggaccctg gccaccatgg  
240gccagagagc attaccttca tctctggctc tgcctgagccg gcccttgagt cccccacctg  
300ctgcctgctc tggcgacctt ggggtgtggga gtgggtgccg gctgccttct gcttccgcg  
360ctgccgggat tgcctccagc gctgtggagc ctgtgtgcgg ngatgcagcc cctgcctgtc  
420tactgag

427

&lt;210&gt; 2133&lt;211&gt; 427&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgagcttttt gcaggacctc gatcgattcg aattcggcac gagctaatta tgagttgatc  
60ccgctcttga actctgtaga ctctgataat tgtggatcta tggttccatc ttttgcctgat  
120attttgtatg tggcaaatga tgaagaagcc agttatctca gatttcgaaa tagtatatgg  
180aaaaaatgaag aagagaaaagt ggaaattttt ctccttttgc gactagtctg ggatccactg  
240tcacctgctg taagacagaa agaaactgtg aaaaatgacc tgcctgtaaa tgaagctgca  
300attagaaaaa tagctgcctt tgaaaatgag ctgacttttc ttcgctctca gattgcagca  
360attgtggaaa tgcaggaact gaaaaatagt acaaatctta gttccttttg cttgagtgc  
420gagcgt

427

&lt;210&gt; 2134&lt;211&gt; 427&lt;212&gt; DNA&lt;213&gt; Homo sapien

cyttgctgtc gcaatccttc agatcattct tgggccagca caatattcct cagtaaattc  
60cagacggacg tgagagaaaa acgcaagagt ctcttcatta accatcatcc tccaggacaa  
120atagcaagga aatacagttc ctgctccacc attttcctag atgatagcac agtcagtcaa  
180ccaaacctca agtatacaat taaatgtgtc gctcttgcaa tatattatca catcaaaaac  
240agggaccacg atggaaggat gctcttagat atttttgatg aaaatcttca cctcttttcg  
300aaatccgaag tgccaccaga ttatgacaaa cacaaccagc agcagaagca gatttaccgg  
360ttcgttcgga cactgttcag tgcctgctcag ctgacggctg aatgtgccat cgtcaccctg  
420gtgtacc

427

&lt;210&gt; 2135&lt;211&gt; 429&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg gcggcctcct gctctttgtg gatgaagcgg acgccttctc tcggaagcga  
60gccaccgaga agataagcga ggacctcagg gccacactga acgccttctc gtaccgcacg  
120ggccagcaca gcaacaagtt catgctggc ctggccagca accaaccaga gcagttcgac  
180tgggcatca atgaccgcat caatgagatg gtccacttcg acctgccagg gcaggaggaa  
240cgggagcgcc tgggtgagaat gtattttgac aagtatgttc ttaagccggc cacagaagga  
300aagcagcgcc tgaagctggc ccagtttgac tacgggagga agtgcctgga ggctcgtctg  
360ctgacggagg gcatgtctgg ccgggagatc gctcaactgg ccgcgtcctt gcaggccacg  
420gcgtatgcc

429

&lt;210&gt; 2136&lt;211&gt; 417&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagag agggcttaca aaatgtttcg taaatatatt atactgttta agtgttaaac  
60accaaccctg tctttctttt ggggtgagct tttttagaaa gtcgaagtga atgttggcca  
120ggaaaaatgga aaagccattg tataaatttt tttttgaggc ggagtcttgc tctattggcc  
180aggctggagt gtagtggcac catctccact taccacaact tgtgcctcct gggttcaagc

240gattctgctg cctcagcctc ccgagtagct gggattgcag gtacccatca gcccattgcc  
300agctaatttt gtatttttag tagagatggg gtttcacat gttggccagg ctgggcttga  
360actcctgacc ctgtgatccg accaccttgg cctcccaaag tgctgggatt acagggtg

417

&lt;210&gt; 2137&lt;211&gt; 417&lt;212&gt; DNA&lt;213&gt; Homo sapien

ctggaatccc agctattagg gaggtgagg caggagaatt gtgtgaaccc aggaggcaca  
60gggtgcaggg agcctagatt gtgccactgc ctgggcaaca gtgagaacct gtctacaaaa  
120aaaaaagggg atcgggatttt tttatataca ccttaaacca ctttttttag ctttaggcgc  
180ctgcgggtggc ccttggtatct gttctcaatc ctcagggggg gtggcagcat gggaccatag  
240agagctgggc aaagtctact ttctctttgc tgacagtctc accttttctc actgggaagc  
300tgcacaggag cctttgggct ggttcagccc agaggccctt ggcttcctgc cttcctggaa  
360ttctatgctc cccttctgaa tgggaccctt ctactcctgc caagttagaa tggagca

417

&lt;210&gt; 2138&lt;211&gt; 419&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga gagaactgct ctgagatta gttctctcga actagtctcg agagcagaga  
60ggggattttt ttttattctt tggtggtttt ttactatccc cttttttttt gctttgtttt  
120ttttgcttta ttccccaccc ccgtggttct ttttttttgg gggggggaaa aaaaacttct  
180tttaataaga taacaaactt tttttttttt ttaaaaagat ccccgcccag ggtagggggg  
240gggggttttc aaaaaaaaaa aaaaaaaccc ccccccttaa aaaaacctt tcttccccgg  
300caaaaaaaaa aaaaaaaaaa aacctccctt ttttgaaaaa cggggggggg ggggggggaa  
360tttttttttaa aaaaaaaaaa ttgtggggcg cccccctt ttttttttaa aggggggggt

419

&lt;210&gt; 2139&lt;211&gt; 417&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagac gaaaggaaac cttacagaat catgaagccc tcaaccatct gctactcagt  
60tattcggggc tgacggcggc ttctagaaca tccaggtgtt ctgcagatgc gagaactcat  
120cctgtagtca ccagatggag tcccaaacag ccaagcagat gtaaggcctg tgctgtggct  
180ctgagggcct gaatacagaa ggttcacttt cttagtggcc aaagagcagt tgttgacatt  
240gatgtctaatt tattgaacac gaccagtcatt ttactgagc tgcggtgagg aaacactgac  
300catagaagat caagccaaat gagggattgg caatttcctg attctttttg attaggattc  
360cagatggggg cctcatttct acagcccca acatttctat angecgtatc actggcc

417

&lt;210&gt; 2140&lt;211&gt; 418&lt;212&gt; DNA&lt;213&gt; Homo sapien

atcggcacga gggtagcttg gaccttgtgt gccaaagctt actcacggct ggcctaaca  
60gccttccactg cctgggctca ctcaggagc gcctcattat ttgggcagcc atggattcta  
120tcccagcccc atcatcagtt caaggacaca acctgactga agatgcctga catcctgaga  
180gttggcagaa cacaggaggc tattctgaag gagatgcacc atcacagcca cagaaggcac  
240tagaggaggt gtcaatgtca gatccactgg caagccacca aagaccgtca ctcccaggat  
300cctcacagga gcacatggcg cagtgcgaag tgagacgcca gacccatgtt ccaaacagag  
360aacctgtgca tgcactgcct tcctctgcca gccagaaacg tgtggaccag aaacgttg

418

&lt;210&gt; 2141&lt;211&gt; 421&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagcg ccaactgcact ccagcctggg cgacagagtg agactctgtc tcanaaaaaa  
60aaaaaaaaag gaaaaaaaaa ctttgggcca gccttgtccc aaacaaaaa acttcaaccc  
120gggggggggg gcctttttta atttaatgaa aagtttgaa agggaaaaa ctttggaaaa  
180gcccaccccc gcccttttc caaaagaatt tgggggtttc aagggaacaa cttctggaaa  
240aattgaccag gaaaaaccgg ataaccccaa ccagttttt taaaccgggt tttggaacct  
300aaaattttga aaagggaacc ccaggcccat aaacaaaaa cggggccttt aaaaaggaca  
360aaattttcac cccagaaaag gtccaacca attccaggct ttctcgaata aaaaatttca

420t

421

&lt;210&gt; 2142&lt;211&gt; 422&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga aaaactcaaa agcttgtcac tgcagcttca gcaggatgga gataatgggg  
60acagcagcaa aagtactgag acaagtgact ttgaaaacat cgaatcacct ctcaatgaga  
120gggactcttc agcatcagtg gataatagag aacttgaaca gcatattcag acttctgac  
180cagaaaattt tcagtctgaa gaacgatcag actcagatgt gaataatgac aggagtacaa  
240gttcagtgga cagtgatatt cttagctcca gtcatagcag tgatactttg tgcaatgcag

300acaatgctca gatccctttg gctaattggac ttgactctca cagtatcaca agtagtagaa  
360gaacgaacgc aaatgaaggg aaaaaagaaa catgggatac agcagaagaa gactctggaa  
420cg

422

<210> 2143<211> 417<212> DNA<213> Homo sapien

ggcacgagaa taaattgtgg aactgaagtg gattaattca gcacattttt gtgacccctc  
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120gacccaagag tgcaggatcat gttgtatatg gctctgtctg ttcccatagc ctggagggtat  
180tcccgaaagt ctttacctaa gttgcctcta ttccaccatc catcccatag aggagtgagc  
240agctcatggc tgagtgggtc ccagcagtgg aggaagcaga aatcattagg acccttgcaa  
300aggaaaaacc ttctaaagag aaggctgtgc ggtgagcagc agccatgggc ccaagcctcg  
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417

<210> 2144<211> 417<212> DNA<213> Homo sapien

ccctgagccc ggcgagcagg agaggaggtc ttccgggccc cggcctccga gcgcgcggga  
60tttgcagttg gccttggcag aattgtatga agatgaagtg aagtgcaaat cttccaagtc  
120taatagacct aaagccacag tcttcaagag cccacggaca ccacctcaac ggttttactc  
180aagtgaacat gaatacagtg gattaaatat agttcgacct tcaactggga aaattgtgaa  
240tgaacttttc aaagaggcaa gggaacatgg ggctgtccct ctgaatgaag ccacaagagc  
300ttcaggtgat gataaatcta agtcatttac aggtggagga tacagattgg gtagttcttt  
360ttgtaagcgg tctgaatata tctatggaga aaatcagctg caagatgttc agatttt

417

<210> 2145<211> 419<212> DNA<213> Homo sapien

ccgaattcac cccgaactgc tggccaaaaa gttagttacc aaaggcaagt cggaaacgat  
60cctctcccca cccccagaga aaagaggcag gaaggccacg tcaggcaaga agggggggaa  
120gaaatccaag gctgccaaac cacggacgtc caaaaagtcc aaaccaaagg acagcgataa  
180agaaggaaact tcaaattcca cctctgaaga tgggccaggg gatggattca ccattctgtc  
240ttctaagagc cttgttctgg gacagaagct gtcttaacc cagagtgaca tcagccatat  
300tggctccatg agagtggagg gcattgtcca cccaaccaca gccgaaattg acctcaaaga  
360agatataggt aaagccttgg aaaaggctgg gggaaaagag ttcttggaaa cggtaaaag

419

<210> 2146<211> 418<212> DNA<213> Homo sapien

tttgcagatc ccctcgattc gaattccgtt gctgtcggca acttgaccga agatttagaa  
60gagaatttag aaagcacagt ctatgatgag tataaatttg gcaccaagaa agaccttgaa  
120aatttagggc tcacccacct cattggatct ctttctctcc gggcatatat gcatgggttt  
180ttcatggata taagactcta tcacaagggtg aaactgatgg taaatccatt tgcttatgaa  
240gaatatagga aagataaaat acgacagaaa atagaagaaa cacgtgcaca gagagtcag  
300ctaaagaaaa tgccaaaagt taacaaagag ctggcactta aattaatcga tggagaagag  
360gagaagcaga aatctacatg gcaaaagaga gtaacaacc ttcctaacat tctcaccg

418

<210> 2147<211> 422<212> DNA<213> Homo sapien

ggcacgagga gacaaattaa ggatgaaact cttcaggctg cagttagaga aattttggcc  
60ctaattggct atgtggatcc agtgaaaggg agaggaatcc gaattctctc aattgatggt  
120ggaggaacaa ggggcgtggt tgctctccag accctacgaa aattagttga acttactcag  
180aagccagttc atcagctctt tgattacatt tgtggtgtaa gcacagggtc catattagct  
240ttcatggttg ggttgtttca tatgcccttg gatgaatgtg aggaacttta tcgaaaatta  
300ggatcagatg tattttcaca aaatgtcatt gttggaacag taaaaatgag ttggagccat  
360gcattntatg acagtcaaac atgggaaaac attcttaagg ataggatggg atctgcactg  
420at

422

<210> 2148<211> 413<212> DNA<213> Homo sapien

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60aacctccgcc tcttgggtta aagagattct ctcagctcag tctcccagggt agctgggatt  
120acaggcatgt gccaccacac cccgctaatt ttgtatttt tagtagagac ggggtttcac  
180catgttggcc aggtcgtct caaattcttg atctcaagt atctgtccgc cccggcctcc  
240caaagggtg ggttgggatt acaggcgtga gccaccgcgt gcgggtcagg acccagtttt

300ggctgctggc tcccagcacg ggactcgggg gatatacagt ggctgcacca aattgtaggt  
360gtgggttccct ccaattccct taatgttagc gggatataca gatgctagaa caa

413

<210> 2149<211> 415<212> DNA<213> Homo sapien

ggcacgagcc agctacactg gaggtgagt caggagaatc acttgaacgt gggaggcaga  
60ggttgcagtg agtggagatc gcaccactgc cctccagcct aggtgacaga atgagactct  
120atctcaaaaa aaaaaaaaaa gggatttcgg gggggggggg ctcttatggg ggcccaaccc  
180catggatacc cggtaaaatt ttaggaaaaa aacaaaggaa gaccccgccc ccaaaaccc  
240tttgccccc ctcttctttt aaaaccagtt tttttcagtt gtggaaaaaa gagtcccc  
300tgagtcgggtg gcaaaccgtt tattttttta aagccccac ctttttttta aaaaattctt  
360ttggaaacgg ccaggagtaa aaccaggggt ggaaataaga aaagggtcc ctaa

415

<210> 2150<211> 411<212> DNA<213> Homo sapien

ggtgtcttga actctggcac tgtacagtga aagtgtctgt agttgtgtta gtttgcatta  
60agcatgtgta acattgaagt atgtcatcca aataagaggc atatacattg aattgtttt  
120aatcctctga caagttgact ctctgacccc cacccccacc caagacattt taatagtaaa  
180tagagagaga gagaagagtt aatgaacatg aggtagtgtt cactggcag gatgactttt  
240caatagctca aatcaatttc agtgccttta tcaactgaat tattaactta atttgactct  
300taatgtgtat atgttcttag attagaataa tgcaacttcg agtatgcttt aatatttcaa  
360tattcaagtt acaaatgtat aaggcagtta gaaataatac agtcacatgt c

411

<210> 2151<211> 416<212> DNA<213> Homo sapien

cgttgctgtc ggcattgggt tgtagatttc tgaaacttag aggtcattta gctaaaatct  
60acattttttt taacttttaa tatgattgaa atgatatattt aactgtatc acagatacag  
120tattttatat aactttttgt aactgacctt atcttggcct tgagtcccat cctctctggt  
180ggtagcgtaa aactgaaaat tccagtttgg gtcaaatattt agtgaaagt ctactttctt  
240ttcagagagt ttgttcccc ctcttctct tagatgtttt caaacacaca gccccctt  
300actcaaacca agtgaagcaa gagtggacaa ttctagaatt ggctgtgcca tgtaggtttt  
360ttttagaatt tgaactgatt tcttctattt tgatgagggt gcaactgtcc ccattg

416

<210> 2152<211> 411<212> DNA<213> Homo sapien

ggcacgaggt caccaggtt ggagtgcagt ggcattgtca cagctcactg cagccttgac  
60ttcctgggct caggtgattc tcccacctca gccttccaag tagctgggac tacaggcatg  
120caccacattg cctggctaatt tttttgtgga gatgggggtt cgccatgttg tccaggctgt  
180tcttgaactc ctgggtcag gcaatttgcc tgcctcattc tcccaaagcg ctgggattat  
240aggcgtgagc cactgcgccc agccttactt atttttaaatt cagattttt aatcaactaa  
300aacagctatg agttaagtac ctgccctgca aaaattttta gaagaagttc taggattatg  
360aaattaagaa ttattttcct taactggaac agttctaana tttatctgat n

411

<210> 2153<211> 411<212> DNA<213> Homo sapien

tctaggatcc tatcgtacg aattccgttg ctgtcgggtt tagtagatat atctgatagt  
60tcagtaatta attcacctag ttgtattagc tcatactcat acaccacaca cgctggccaa  
120aaccattg agcaaatgtg ggcaacaaaa aaaatcagct ttcaactggg gagagccacc  
180ttgcaaaaagt gattgttctt ggtaagtctt ctcaagaatt gaaagatc atgccttgcc  
240tctgaacaat gcaaggaaag aggttgctg ctgaacatag acagtaaagt ctaaacattt  
300tatagcctta gataatggtt tctttgggaa agaccttaaa ataggagtt cgggggaatg  
360tttattaata atcacgtagt gctgagaagg aggatgtctt aaaaaccaga c

411

<210> 2154<211> 415<212> DNA<213> Homo sapien

ngngggagca gacgcgtgag atcaaatggt cggggaccaa agcggacagg gtccaacgtg  
60ccagcactgc caagagaagg cttttgttac tcagggttaa taagaacatc ctgcaaggag  
120tctgttcttt tatgcagcct aaagatcaag taataatcat tgacactgat actgagcatg  
180tcgattttga agagactagc atttctggtt aatgaagtgg agtatatc catatatttc  
240tgttttctgg atgagaagac taacctaaat aagtaggaac cttgaagaat catgttcttc  
300ctaggaatta caaatcccc gaatccatgt ctaacataat ttctactggc ctctttgctt  
360ctcatgcttt agtaccaggg cttctgaatt tgaaagtctt catgcaaatt gccc

415

&lt;210&gt; 2155&lt;211&gt; 413&lt;212&gt; DNA&lt;213&gt; Homo sapien

ctgctgaata gccccttctc acgacgtccc gcagcgtttt acagggtcatg catgaaggag  
60tggttgggtt ggcttgagtt ctttcttattc ctcacagttg aaggcacgtt taatgcttgg  
120aggggtgagaa gaagctgcag gaaggtgggtt ggtatattgg aagaaatattt tttgcagtca  
180ttaaaaaaatg tagagcatat ctaatgatag agaaaatgtt tattccacag taataagaat  
240ttgcatatac agggtgatta taatcctgca aaataaaaaa tttattggga taataaaaga  
300ctgacaggaa aattttttaa gtgttaacat tggttatgtt tgggttgggtg aggctgggtg  
360atttttagaa atttacaaca gagagaagtt gtggganaaa gtatacgta gtt

413

&lt;210&gt; 2156&lt;211&gt; 414&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagca gaagaacatc tattatatcc tatttataaa tcttcctctg ggaaaaggag  
60tggtttcttg ctgaatacta tcttaggtc aaggagaaac aaaataaaaa ttagcttcca  
120ggcagcctgt ttttaaagaa atgggactaa tgggagaagc tgtttgtcac tctaagagca  
180tccaagccct ggcccgctg tgcactcttg gctcctgggg agatatactt gccttctaag  
240aaggcaggcc aggtcttggg cacagacctg catttgttga ccttgcactc caactatagt  
300gccttgcaag tgctcaacag tacatattgg aatgaagtcc ctatgagagc catttctggc  
360catgttctat acctcaaagt gaggtcggca ggtacagaga tgaactgtac acag

414

&lt;210&gt; 2157&lt;211&gt; 415&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggcacgagc accggtctac cccagaactc tatggcatat atgtaattaa tgtgcagtgc  
60caattctgtg agtatgatgt gtgcatggag ccagccaaaa ctctgattga atttcagaac  
120tgggacactc tcttgttttg cattcaggaa ggagtgaaaa tgtttttaa gcaagaaaaa  
180ttattttgtg aattatcagg tgaggatatt aaggaattta gtgaagataa tggttttagt  
240ttattttgat ctactcttca gaagcgtgtg acttccgatg agaggagcaa tttccaggaa  
300gcatgtaata atattttaga ttctatgag atgtttaatt tgcagtcaaa agctgtgaaa  
360agaaaaacta ctgcagaaaa cgtaaacaca cagagttcta gggattcaga cgcta

415

&lt;210&gt; 2158&lt;211&gt; 413&lt;212&gt; DNA&lt;213&gt; Homo sapien

tctatgttga ctgtattgtg ttagaagcac attatcactt cgtcacaatg cccgaccccc  
60accccagtaa ttatccagac gcatggccca cctggcacac aggaaatggg agagctggaa  
120tgatgggact cctctcacia atgtattctt cctttcctcc tttcccgacc atcctttgct  
180atgtacatgg ggggtttcta ccaggccag tagagcacia cagacttaa ctcaggcctt  
240gaactgtgtt tgggtggttt tctttgattg aattattctc agaagggtg tgttgccagg  
300ccctgtgggt tgatcatgtg accgccttct tgacaaaatg tctgccgcca tctttatttg  
360caggctaatt gaagtgctaa gaaatctggg ggggacttta agcctacttc ccn

413

&lt;210&gt; 2159&lt;211&gt; 416&lt;212&gt; DNA&lt;213&gt; Homo sapien

ctgcagccaa gttcttaggg ttccgtaagc gctgcatccc caggagcctc tgcctcagtg  
60agtgtcctct ggagccccc aacctcacc gcctctgtgc cactctgaag gactgcccgg  
120gacccctgga actgcaattg tctgtgagt tcttgagtga ccagagcctg gagactctac  
180tggaactgctt acctcaactc cctcagctga gcctgctgca gctgagccag acgggactgt  
240ccccgaaaag ccccttctct ctggccaaca ccttaagcct gtgtccacgg gttaaaaagg  
300tgatctcag gtccctgcac catgcaactt tgcacttcag atccaacgag gaggaggaag  
360gcgtgtgctg tgggttcaca ggctgcagcc tcagccagga gcacgtagag tcaactc

416

&lt;210&gt; 2160&lt;211&gt; 412&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt ggcctatgcc tctacatcc caggatccat catctggggc aagcaatacg  
60gttaccctct gtggccaggc atgatagaat ctgatcctga cttaggggaa tattttcttt  
120ttacttccca tcttgattcc ctgccgtcta agtaccatgt gacgtttttt ggagaaacag  
180tttctcgtgc atggatccca gtcaacatgc taaagaactt ccaggagctg tccctggagc  
240tatcagtcac ggaacgggtt aacttgtttg gtttctggag ccgattcaac ggatctaaca  
300gtaatgggga aagaaaagac ttacagctct ctggtttgaa cagcccagga tctgtcttag  
360agaaaaagga gaaagaggaa gagttggaaa aggaggaagg agagaaaaca gc

412

&lt;210&gt; 2161&lt;211&gt; 412&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggttgctgtc gacagcgggtg gtctcatttc tggaaaatct cttgtgtttg caactatgga  
60gctgctgatg ttcatttttag tacggcatat gccacatctc agtaccaagg tgtcagactc  
120tccaagtcac atagccacta aaactcgact atcagaagaa agtgctcggt tggaggcagc  
180cacagttacc atactctctg atttaccatc cttttgttca cccgctggat gtatgacaat  
240cctgcccaca attctgttct taattgcaag aatattgaaa gacacagcaa taaagtctgc  
300agataatcag gttcctccac cagtcagtgc agctcttcaa gggattaaaa gtattgtgac  
360actttcaatg gccaaaactg aggctggcgt tcaaaaacag tggacagctc tg

412

&lt;210&gt; 2162&lt;211&gt; 411&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagaa cctgtcccag acctacatgg ccatgtacct cacctactcg ctccacctgc  
60ccaagaagtt catcgcgacc attcccctgg tgatgtacct cagcggcttc ttgtcctcct  
120tcctcatgaa gcccatcaac aagtgcattg ggaggaacat gacctacttc tcaggcctcc  
180tggtgatcct ggccctttgcc gcctgggtgg cgctggcgga gggactgggt gtggccgtgt  
240acgcagcggc tgtgctgctg ggtgctggct gtgccaccat cctcgtcacc tcgctggcca  
300tgacggccga cctcatcggt cccacacaga acagcggagc gttcgtgtac ggctccatga  
360gcttcttggga taagggtggc aatgggctgg cagtcatggc catccagagc c

411

&lt;210&gt; 2163&lt;211&gt; 415&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcaacagcc tgggtttgag ccacaaagcc tttagtttga accccaaagc cccagatttg  
60agcctgaaag cccgggggtt gagtcccga gccctgggct tgtgccccca agccctgagt  
120ttgcacccag aagccctgaa tcagattctc agagccctga gtttgaatcc cagagcccta  
180ggtatgaacc ccaaagccct ggctatgaac ctcgagagccc cgggtatgaa ccccgagacc  
240ctggctatga atctgagagc tctagatatg aatcccagaa cactgagctc aaaacccaaa  
300gccagaatt tgaagctcaa agttccaaat tccaggaagg tgcggagatg cttctgaacc  
360ccgaggaaaa gagtcctttg aatatctccg taggagttca cccctggac tcctt

415

&lt;210&gt; 2164&lt;211&gt; 412&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgcacgagaa aaagtgttac cacttcagca tcaggaagtg aaaatcttac tcttattcaa  
60caggaagtgg atgcttttga agaattaagc aggcagcttt ttctggaaac agctgatcta  
120tatgtacca aggagagaat agaatactcc aaaccttca aggggaaata ttttaatttt  
180cttggttact tttctctat ttactgtgt tggaaaattt tcatggctac catcaatatt  
240gttttttgate gagttgggaa aacggatcct gtcacaagag gcattgagat cactgtgaat  
300tatctgggaa tccaatttga tgtgaagttt tggcccaac acatttctt cattcttgtt  
360ggaataatca tcgtcacatc catcagagga ttgctgatca ctcttaccac gt

412

&lt;210&gt; 2165&lt;211&gt; 407&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga gatgtgatgt atgctttata aggtcatca gccatgcgag agcagcgatg  
60gtggcccagg ccccgactgt aggagctgaa agacaggcga ccacaccaca ttacaggagg  
120gtgagaggaa cggatgcgga gaggttctga actttaggt caaaatgtga aattcgaaa  
180aatacccaaa aaacctaaga aaattttgta aaggaaaata gatttattat taagcacatg  
240aaaagatgcc caacatcagt agccatcagg gagatgcaa tcaaaaccac aatgagatac  
300cacctcacac ctggggctgt cagaaaaaag gcagtaacaa gtattcgcaa ggatgtggag  
360acactggaac tcttcacac tgttgatggg aatgtaaaat ggngcag

407

&lt;210&gt; 2166&lt;211&gt; 405&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcaccagat cacatgtatg atttattttt aatatttgat aggaactagg tttcagtga  
60atgatttgaa agcatagcag gatgtggctt tttaaattta tgaaactttc gaacagtagc  
120aactgaaatt tgtcactttt ctgttacgca gagaatcaga ccttttgata atatttggga  
180gggtaaaaga aatatgccaa atatgaaact tttttgtcag cactacatac atctttttt  
240tgcggggggc gggggggaca gagtctact gtgtactca gactggagta cagtgtgagc  
300atctcggctc actgcaacct ccgcctcctg ggttcaagcg attctcctgc ttcagcctcc  
360tgagttagctg ggattacagg tgcacaccac cagcccgcc taatn

405

&lt;210&gt; 2167&lt;211&gt; 408&lt;212&gt; DNA&lt;213&gt; Homo sapien

ncttctaatt ccgcacgagg agagagagag agtttaggtt tgagagagag agagagagag  
60agagagagag agagagagag agagagagag agagagagag agtgcgagag ttagacccag

120agagagagggg ggtgtttgct cttgattgcc cccgcccctc cctctctttg ggattttttt  
180ttttcttttt tttccgagct cttgactttt tttttctgt tgccgcccc tttatcgttt  
240tctctttttt tactctttac cttttttttt ttttctgcgc gcacactttt tttttatccc  
300ttttttttct ctccctcctt ttttgggtgc ctctcttttt ttatttatat atttgtgtgc  
360acgattttgt gcgcgttttt tttttttttt ttgtcctct ctctctgt

408

&lt;210&gt; 2168&lt;211&gt; 408&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg ggcgtagcag aggaggatag gtagagaagt accattttta ttatttgtga  
60cttgtggctt ccttcctcct ctctcctcc ctccacgtct ctctttgccc cttttagaca  
120gaaggtgcag aaaagggcat caaaaagagg ctggattttt taaaaggcag ctttccaact  
180ttgcacacaa acaggtaaca ggaaggtaca gcaaaaatcc tctcatctga aacactgtca  
240gcagaaacaa aacctgtaaa atgactaat cagctgcaca tattgatgct ctctgcaagt  
300tacctttaag tgtttttttt cttatacttg aagttgcttt tacgatatta ttttgggtggc  
360tttcttttct ctctttgatg ggcaatagag gaagtagata atgggatt

408

&lt;210&gt; 2169&lt;211&gt; 405&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagct cagnannctt ctttcaactc tagtttttga ggtggggaca caggaggtcc  
60agtgggacac agccactccc caaagagtaa ggagcttcca tgcttcattc cctggcataa  
120aaagtgtca aacacaccag agggggcagg caccagccag ggtatgatgg ctactacct  
180tttctggaga accatagact tcccttacta cagggacttg catgtcctaa agcactggct  
240gaaggaagcc aagaggatca ctgctgctcc tttttctag aggaaatgtt tgtctacgtg  
300gtaagatatg acctagccct tttaggttaag cgaactggta tgtagtaac gtgtacaaag  
360ttaagggttct tgtggtttac ccatctgaaa tatgtttcca tcaca

405

&lt;210&gt; 2170&lt;211&gt; 408&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgtgtgc ggcactttt atgtacacat gtctattcag actttatcct catgatttca  
60gaaaaaatat agagaggggt ctagactgct taatagagga aagaagtatc ctggaaagct  
120tgtaagaac gttctagagc cacaacatga ttgtaggcca agggcttgtt tttgtgacct  
180tgatctaaga taatgccatg gttgattgta tgttggaaga atctttgatt ggaatttggg  
240gtaataattaa ggtagtttgc cttttctgca gacattttta ggagtctttt tgtgtgagt  
300gtgggtggag gtatagtttt gttgaacctt gctaaattct gaatatcttt ccactaaaag  
360cacaacaaat ctatttacag tgcctgaagc ctgggagagc cacatgat

408

&lt;210&gt; 2171&lt;211&gt; 406&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagag tacttttgat aataattcac tctgtgcgat attcctgaat aagtccatct  
60caaaagtttg ggattttcct cctcttaact ttcttaatat ttggacatgc cgctgtcgcc  
120aaacttgggt attcatggaa tttctagtaa atgaaatacc tatactttga tactgaagac  
180tgccaaatac ataggaattt tctttcttaa aaaacagtaa tgaagactat atctcctttc  
240ccagcactga atgttttact agcactgggt gctcaccatg caactgaaga aaatgtggaa  
300actcaaaagg tcaggacaga cttccaagca cttgcaactg atgttactgt cttcaatttt  
360aataattaca catatttgta tatttcacag aagcttttaa tatttc

406

&lt;210&gt; 2172&lt;211&gt; 405&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagct caggtctcct aactggccc cattttactt tgggggtccaa ggacaggatg  
60gtcaacaggg cagggtggac agcgtgccag cgccgcgcag ggccacctcc ctgggtggat  
120gcatcacact aaggaagtga gtgccagggt gatttagtgg tgtggttctt tcaaaggag  
180gtcagggtca atgggaattc gtcggacac tcaacatggg ggtgggtgca ctcttggag  
240gaggaggaac acgttcaggg gattgtgagg tcttgacaaa gccacgtggg gcaccttggc  
300ttccccggcag gaggtggaca cccagccaga ggcctggctc aaggtgacct caccttcacc  
360atgggcttcc tgggtgcgcg ggcttgagcg caggttggtt tgtac

405

&lt;210&gt; 2173&lt;211&gt; 409&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgtgtggc gctttcattg taaaaataat atgtactttg caccacttaa aaaaaaaaaa  
60agaaaaaaaa tcttgggggc ggttttctcc gatattccgc acttggttaga aacctttggt  
120gtgttggggc aacccccgc tgaaggcgg ggaaaaaaag gctttttttg gaaaattggg  
180ggggctgtgg ctttttttga accattgta aggggcataa agcaggttac caccacctg

240ggcattcttt tttggttaca ggttcggggg gggggggggg aaggtttcaa nattgcctac  
300gggagaaaaa aagaaaaacc tcagcttgca aatttttgtt cagagatggg atcgttcttt  
360gtcgttggag ggatttacat taaaaaaatt cagagatat tgctcatgg

409

&lt;210&gt; 2174&lt;211&gt; 410&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gggttgtcca ggcccgttct gcagggctgt tgtgtagact gcagacatcc  
60gtacctcacc acagaccaca gatgacctcg tgtcatactg tgggctgatg agaggtagag  
120catcatgcat cgaggcctga ggggtgcagg cgccctctct tggcctggag gaattgtctc  
180taactagagt aagtttacac gaggtccca ggcagagctg cagagctgga accggaggct  
240ccacagtctt tgctgtctca tggacctctc tcagagcacc tttctacaga ctggactgcc  
300cagctccgtg ggggtggcatc tggtttctgg tgctattctg ccaagttatc gagctcctcc  
360tcatgtttca acattccatc ttcccgtttc tatcctcgac tccaaagtag

410

&lt;210&gt; 2175&lt;211&gt; 408&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gggggctgcc cagcacctgt catcctgctg ggatcaggtt ttcttagtgc  
60ttgagaagac tcaagagggc ctgtcccatg ccattgttgg ccttaagagc aagtgattcc  
120agaagaggag tgggcaccac tctcatccag agggccgtcc tgagaggcaa gtgaggctgt  
180gctctgtgcc tgggctcccc caggtggcac ctgtcggctt gtggacctgg ttgaggcaag  
240gatgcccatc tggacatgga gccgacacag gtagtcaggg ggccagcggg acgcttacca  
300acagctgtct tttccccacc tcagaatagc attcctttcg aacaccacgg caagtagctg  
360ctcgtctccc atcgggaaggc agcactggat tcctggtcgg gtggcttn

408

&lt;210&gt; 2176&lt;211&gt; 406&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggc aagttatttc acttctctgg ctctgtgtac tcagttgtga aacagcgata  
60atgtgtaact cagttttgcc ttaaagatta aatgatataa tgttttaag tgcttagcac  
120tgtatgagtc atagtattca atagggtgtt gctgatgttg ctattatagc attactttt  
180cagagatgaa ggtagaggcc agacatctta tttcaaatac cattgtaact ttaaaaatcc  
240cagtaaatgt tgctgttctg gtatacagtc aaaatctccc aaaacaaatc cacaaaacag  
300aagtgtaggg tgggacacag gtgcatctgg tgtttcgtaa gtatgagctt agatatggag  
360tgtggtagaa aaagaatgaa gagaggataa tggaggaagg gaaaaa

406

&lt;210&gt; 2177&lt;211&gt; 406&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagct gggaagaaaa gcacaaagca acccgtacta taatgggtccc catcttaatt  
60tgaaagcggt tgagaatctt ttaggacaag cactgacgaa ggcactcgaa gactccagct  
120tcctgaaaag aagtggcagg gacagtggct acggtgacat ctgggtgtct gaacgtggag  
180aatttcttgc tctccaagg caccataaga gagaagattc ctttgaaagc ttggactctt  
240tgggctcgag gtcattgaca agctgtctct ctgatatcac gttgagaggg gggcgtgaag  
300gttttgaaag tgacacagat tcggaattta cattcaagat gcaggattat aataaagatg  
360atatgtcgta tcgaaggatt tcggctgttg agccaaagac tgcgtt

406

&lt;210&gt; 2178&lt;211&gt; 407&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggacttggca ccctctgtgt cctggggccc ctgcccagct ggctgggcca  
60cctgctgtc tggcttcac ggccggcccc aagacggagc tccaggcccc tatacaggga  
120gtgcgatccc acggcagtgg gcagtcctgt cccgcgagcc cggcccttag tctgagtgtt  
180gctgacctct aactgtggac gccatgtctc atcctcctgg tgggtggcgg cggggcgggg  
240ggggcggcca tgctgggcag cccacacaag cactgtcac ctgctgtcgc cacctggccg  
300accctggttg attggggaat gctgtcagcc ccgcagcccc tgtggccata tctggggccc  
360gagcttgtgc tgggtgcctgc tggagactgg ctgggttaag gctgccn

407

&lt;210&gt; 2179&lt;211&gt; 405&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggttgcaggg ccctggaggc caagccacc ctgtgtgggg tccctgttgg  
60cagccaggtc cctacacaaa caagtaatcc tgtttggcct cctaggtttt gcatatgacc  
120tgcagcctaa tttggggtgt aggggaagct ctgctggccc ttgctccttt gtatgttggg  
180tgactttaat ggctggccac atacccttt ctcccagcta ctcatcact gacttgggta  
240agttctaaga cagttgcac ttagaaaaga atgtgacaca tcaacattaa ctttctctga  
300aaagaagagt ttgcctaaca tggctcctaaa gaagcttggg atttataaga ctttctctta



360taagatatag tggggggtttt tttgggtgga gggggggtttg tttng  
405

<210> 2180<211> 409<212> DNA<213> Homo sapien

ggcacgaggg aagctcccca gtgtcctgga ggctgctgg ctggacgacc cctgcctct  
60ggaaccaagg gtgaccaagg ctggcgccac catggctctg ctgccgtcac ctccctccctt  
120tagcattgag cagccccgga ggggctagcc ctgaggctga cctgcccata ggccccacca  
180tcgcgctgct tagtggcctc tccctgcagc ctgtcgttgc tgggggcggc atggccttct  
240gtctgtcgag cgaggagccg cgccgcccgc tgcgaagcga catgagccac ttccaagcct  
300cggaagccca gcaggtgcta cacaacaagc tcgaggtcat cctgggggac tccattcaga  
360gggctgagta caaggacctg ctgctcttgc tccagaaaga ctactgct  
409

<210> 2181<211> 408<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga  
60gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga  
120gagagaggtt tttttccccc cttgtgagag agcctctgtc tctctccccc cccccctct  
180ctcttgtggg gctcgcactg tgtcaccccc cccccctct tttttttttt tcccccccc  
240cacacacact atctctcccc acagagagtc gcgcgcgctc tctctagggc tctctctctt  
300ttctggggcg tctaaaaact ccccccccc cctcaaaaaa aacacccccg cgagtctctc  
360tcacaccccc accccccccc ccacatagtg ttttctcccc tccccgcg  
408

<210> 2182<211> 406<212> DNA<213> Homo sapien

ggcacgagac ggagctggct gcccagccca aaggcccatg aggggatgca gttatgggct  
60ctgtcgccgt ggattgttat tttgtgtcac taagtaatcc ataaagcgcc aacatgggaa  
120agaaaacggac aaagggaaaa actgttccaa tcgatgattc ctctgaaact ttagaacctg  
180tgtgcagaca cattagaaaa ggattggaac aaggtaattt gaaaaaggct ttagtgaatg  
240tggaatggaa tatctgcca gactgtaaga ctgacaataa agcgaagat aaagctgaag  
300aagaaacaga agaaaagcct tcagtttggc tgtgtcttaa atgtggccat cacggctgtg  
360gcagaaattc tcaggagcag catgccttga agcactatct gacgcn  
406

<210> 2183<211> 409<212> DNA<213> Homo sapien

gtggggactg gaccgcccga cctgccatac cgtttctta cggggctcgt cgccgccagt  
60agccgcagcg gcgcactctt gggcctcgcg ccggctatgg ccgggccctg gggctgacc  
120ctcaggggtg gaccgagatt cccgacgaga gatactgagg ggaagagagg aaagaggggc  
180gggctcctgg ctaggcattc tctcctgagc ggaatcctgc taagatggag aaggaggaga  
240caaccgggga gctgctgctg cccaactggc aaggtattgg ctccacggg ctgatcatcg  
300cccagagggga cgacggcgtc tttgtgcacg aggtgacgca gaactccct gcggcccgca  
360ctgggggtgt caaggagggg gaccagattg tgggtgccac catctactg  
409

<210> 2184<211> 407<212> DNA<213> Homo sapien

ggcacgagga atctcgccca ccgcccagaa gtcgtgttga cagatttcca gaccctggat  
60ggaagccagt acaaccggg caaacagcag ctagtgcgtt acgccaccag ctgttacagc  
120tgttgtccgc gactggcctc ggtgctgcta tactccgatt atgggatagg agaagtggcc  
180gtggagcccc tggatgtccc cttaccctcc acgatcaggc cagcttcccc cgtggccggg  
240tctccaaagc agccggtgcg tggctactac cgtggcgctg tcggtggcac gtttgaccgc  
300ctgcacaacg ccacaaggt gatgatcagt gtcgcgtgca tcctggccca ggagcagctt  
360gtggtgggag tagcagacaa agatctgttg aagagcaaga tgctccc  
407

<210> 2185<211> 408<212> DNA<213> Homo sapien

ggcacgaggc ctgttgcagc catgggtgcat tgcagttgtg tgttggtcag aaagtatgga  
60aatttcatcg ataagctaag actcttcacc aggggaggat ccggtggaat gggttatcct  
120cgttttaggtg gagaaggtgg aaaaggtggt gatgtctggg ttgtagccca caacagaatg  
180actttaaaac aacttaaaaga caggtatcct cggaaacggg ttgtggctgg agtaggagca  
240aacagcaaaa ttagtgact gaaaggctcc aaaggaaaag actgggaaat ccctgtgcct  
300gtgggtatct cagtaactga tgaaaatggt aaaattatag gagaactcag taaagaaaat  
360gacagaatct tggtagctca aggaggtctt ggtggtaaat tacttaen  
408

<210> 2186<211> 406<212> DNA<213> Homo sapien

ggcacgaggt ggcctatgcc tcctacatcc caggatccat catctgggcc aagcaatacg  
60gttacccttg gtggccaggc atgatagaat ctgacctga cttaggggaa tttttcttt  
120ttacttccca tcttgattcc ctgccgtcta agtaccatgt gacgtttttt ggagaaacag  
180tttctcgtgc atggatccca gtcaacatgc taaagaactt ccaggagctg tccctggagc  
240tatcagtcac ggaacgggtt aacttgtttg gtttctggag ccgattcaac ggatctaaca  
300gtaatgggga aagaaaagac ttacagctct ctggtttgaa cagcccagga tcttgcttag  
360agaaaaagga gaaagaggaa gagttggaaa aggaggaagg agagan  
406

<210> 2187<211> 410<212> DNA<213> Homo sapien

ggcacgaggc ctctccatc ttcttccacc tcatgacctg tgtgctgagc cttggtgtgg  
60tcctaccctg gctgcaccgg ctcatccgca ggaatcccct gctctggctt cttcagtttc  
120tcttccagac agacaccgc atctacctcc tagcctattg gtctctgctg gccaccttgg  
180cctgcctggt ggtgctgtac cagaatgcca agcggtcac tcctcagctc aagaagcacc  
240aggcccccac catcgcccca aagtatttcc acctcattgt ggtagccacc tacatccag  
300gtatcatctt tgaccggcca ctgctctatg tagccgccac tgtatgcttg gcggtcttca  
360tcttcttgga gtatgtgcgc tacttccgca tcaagcctt gggtcacact  
410

<210> 2188<211> 405<212> DNA<213> Homo sapien

ggcacgagat cacttaaaag cgtaatggat gattttggaa ccattgagtc aacattttat  
60gacattataa aaaataagaa gctaattctg gactttgtac tgaagcagga catgccatta  
120ctaggggctg agaagagaaa gaggacaacg gtgaccaa atgggtgatgt agatgatgctg  
180gactacatgt ggtaccaaca gaaacgctca gccggtgtta cggcaagagg cgtggagctt  
240caagctgctg cagagagatt tgcacggtga tttggcgaa cagatttcaa agctagcact  
300ggttggtctt ttacatttct aaatcgccat gcaattggga accgaaaagg atgtggggaa  
360caagtcctaa gttcagtttc tgagaatgtt gagccatttc gacag  
405

<210> 2189<211> 406<212> DNA<213> Homo sapien

cggtgctgtc ggcaacttgt acggatttgc ctttttacgt agacgggctt tacagttaga  
60agagcttaca ttatgtaagg acacacctga taatgctcgg accctcaatg aactgggtgt  
120tctctactat cttcaaaata acctggactc tatgcaatga aaagaaacag tatgataaag  
180cagaagaact ttatgaaaga gcttttagata ttcggagacg tgcattagct cctgatcacc  
240cttctttggc atatacggng aagcatcttg ccattcttga taagaaaatg gggaaacttg  
300acaaagctgt acctttgtat gaattggctg ttgaaattcg acagaaatct tttggcccaa  
360agcaccctag tgtagctact gccttgggtga acttatctgt tcttta  
406

<210> 2190<211> 399<212> DNA<213> Homo sapien

cgctgctgtc ggcacttaga ttttggagac atcaagcaga tgttttcaaa aatgattgtg  
60atcaagaatc tgaattataa tattcacagt ctgctcccca acccagtgtat gccactgta  
120cagatgcgcc tccactaagg ggcataatgc acgctcgtct gaccctggaa tgaggatgta  
180cgaagcaggc agagctccgg ttcagccctc acaatgggac tgaagcacga gagaaggctg  
240ggcacaaggg ctgtgtggaa gtagggttgg tctccatgga tgacgtccag aaggatgtca  
300tgaggaggaa tatcacacgt gttatacaca ttggagggaa cagagactgg cacaggacct  
360cttcattgca ggaagatggt agtgtaggca ggtaacatt  
399

<210> 2191<211> 404<212> DNA<213> Homo sapien

ggcacgagga agagttgtag gtactaatgt tgggtcaatt ttccaggtaa attaaccaag  
60ccagagaagg gtaagttact tgctaaagtc atgcagtaac atcgatttct cattctcctt  
120cctgcacctg tctctcctaa tagaatggca tctctcctat acagtttttt ttttatggct  
180agcacatagc atgggtgcctt gcacatagtt gttgctcaaa aagatgtttt tgttcaacaa  
240aaagtgaata aatcttttaa aaaggaataa tggcttcac catgtccata tggagatcat  
300agccagtaag gaaatgaatt tctggactaa ttcataataa acaaaggggc aagtttagtg  
360gtggagatat tggaaatttt tataggcatt tggtagagca caan  
404

<210> 2192<211> 403<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gagagagata gagagagaga gagagagaga gagagagaga

60gagagagaga gagagagaga gagagagaga gagagagtgt gtgtgtgtga gagagagaga  
120gagagtttct ctctctctgt ggtatatata tacacccact ctctcttctt tctctctaga  
180cacacaaagc ggtctctctg cgggttttac ccacgctctc tccccccag aatatactgc  
240gcgccttccc ctctctctgta tatccgcgcg cgcgcgcacg tgggatatat tctctctctc  
300tctctgcgcg cgcacacaca tatccgcgt ggttttctct ctctctctct cttcccgta  
360gagagagagt gtgtctctat tttctctctc ttgcgcacgt tcc

403

&lt;210&gt; 2193&lt;211&gt; 404&lt;212&gt; DNA&lt;213&gt; Homo sapien

ctgcaagaga ggatttcagg aaaccttgta tgtgtggaat gaacctaaat ggtgcattaa  
60aggaatttct ttgcctgaga aaaagttggc aacctgtgaa acggttgact tttggctgaa  
120gggtgggagcc ggtgtgggag cttttactgc cgttttgctg gtggctctga cctgctactt  
180ctggaaaaag aatcaaaaac tggatacaa atattccaag ttagtaatga cgactaactc  
240aaaagagtgt gaactcccg ctgcagacag ttgtgctatc atggaaggag aagataatga  
300agaggaagtt gtatatcca ataaacagtc actactagga aaactcaaat ctttggcaac  
360caaggaaaaa gaagaccatt ttgaatctgt tcaactgaaa accn

404

&lt;210&gt; 2194&lt;211&gt; 401&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagct attttttttg tgtgggtgga tggggggaga tgctaaaata ttgctgctag  
60gatccagaaa taccacactg ttcatatat tggaaactgt tattggctag ccttatgcca  
120gcctgccact gtcaatatat tctgttcccc ttggttacia gcttaataata ctcttgtgtt  
180tttggcgaaa tgagcttttt atcctattgt aatattttca attgataata gatgtcatta  
240aatctactgc ttgtatagag acaggtgtac ccaaatttac tcttgacctt tttataaagc  
300caggtaatgg agtctgttcc tttgcatctc aggaaggaaat tgactttgct ttatgtatca  
360gacctcatca attgcacct ctccatcatg ccttattttc c

401

&lt;210&gt; 2195&lt;211&gt; 398&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg agtgcagtgt tgcaatctcc acctctgggg ctcaagcaat tgttgtgcct  
60gagcctccc aatagctggg actacaggca cagccacta cgccagcta gttttttgta  
120tttttagtaga aacagggttt caccgtgttg ccaggggtgg tctcgaattc ctgaactcag  
180gagatcctcc cgtctcagcc tccaagggtg ctgggattac aggcgtgagc cactgcgccc  
240agcctattca taattcttta tagggcttat taccaaagaa cagaaggctt tttaaaagtc  
300atctattgtt tagtgattat taaaaataag tcttctgatg aggattacat gtatctaact  
360actgtaaaat agatttcatg tcagggtac ataatacag

398

&lt;210&gt; 2196&lt;211&gt; 404&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg tgagtgcgt gcactgacct tttccaagc ctgagttcct gttctaggaa  
60cttgaggcta tgtagccaga aaatgccctg cagtctgcag tgttctactg tgaactgctt  
120gtgtgttggc aggctaccgg taagaatggt tgggtgcagc agggacgggg ccctctgaga  
180cccatctcac aaagatgagt ggtgaaaatc tgatcacttg ctgcagccct ttagtttttt  
240attaagccga tgctgagta gctttaatag ctattagcta tgttagtaga ctgagatctt  
300ctgttagaag tctttagttc tgttttcctt gggggactaa gaaattatat tgcaggcctg  
360aattacagga aggggagaac caatggctag ggaatgagag ccan

404

&lt;210&gt; 2197&lt;211&gt; 399&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc ggccatggt gtgacaaact ctgaatacca gaggacacaa agggagagga  
60aaaactggtc tttttttttt cccaggtac atgtggaaaa attttgctgc actgaaaata  
120acccttgctt tctcttctgt ccaggtgccc cttttcttgg gcctgggggt gttgtctcc  
180ttggtcagca ttcccttggc catctatgac tgggcctgct catcgagtag tgacgaaggc  
240cactgaaacc cgccgagaaa aagaaacatc cctgttgtct gctcagtcaa gtccccacac  
300atcagcaatc tctcaccact tcttttgcaa gtttacagaa gcaaacagaa atgtacagga  
360tacttaaaat ggaataactt tttggttgca aaacagaga

399

&lt;210&gt; 2198&lt;211&gt; 399&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc ggaagaattc gcggtgcag gagaaantct ttttattttg atctgttttt  
60ttgttttttt tttttttttt tttttttttt tttattaggg ggggcccagc gcgtcctaaa  
120aggggaccca ccccccccc aaaaatcccc ccgcgaaaa aaaaaccccc ccccctacgc

180ccccccgtaa aaggacgcat acctcacgaa ccggggggggg gggggggccc ttttctcttt  
240tttaaaaaagg ggggaaaaaa accccccccc cccggggaaa gaaccccccc cccaaaacct  
300tttgaaccgg gggggggccc caccggatta attcctcccc ggggggcttg ctttttcccc  
360aaaagggggg ggaaaaagag ggcgcccccc cgaggggat

399

&lt;210&gt; 2199&lt;211&gt; 402&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggggtgcatat cattaatgaa atcattaacc tttgtctctg gtccttcctt  
60tctaaaaaca gcagattata gaaggtgggtc tggcaaaggg attttcaaag ggcaaaagtc  
120tcatcatcat ctttccactc aaaatcctat tattctacat ttcactttgc aggggtccta  
180gggacaggat tgcagggaca ggggacatgg gaggaagaca gaaaaattca aaaccagcag  
240atgccactac ctggcaatga attgaaaatt aggggaaagc atctttggcg tgacctttta  
300ttaagacaac agaaatttag aacattttac atgcttcttt gttaaattgt gaagcaaggg  
360aatgaaagta tttattttta gagctcatag ttaactccat cn

402

&lt;210&gt; 2200&lt;211&gt; 398&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagtg gaaccagcga ctacgttatt tcaaaacacc atgaaaataa gattagaaga  
60cacaaatcaa gaaaacttta caaggattga agggactggc acaggatctc tttctgggaa  
120agccttgggt tcagtgggtat atgtcaaaga aagtgatgga ctagaaatga cagatgtgga  
180atgaagcaat ttgtacgtat taccaaagaa accaaaaact gcctttgact aaggggggtg  
240ttgaaagaga acttaacctt attaggaac cctgacaaaa tgatggaaga ctattgcctt  
300attttgcact atttgtgaat catcttacac tgcatttttt tatgatgctt attcaaaagg  
360cagttgcttt agggtgaaaa agccttccaa gattcaan

398

&lt;210&gt; 2201&lt;211&gt; 401&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga gaagcagagg gagtggcatg cagggccct gccatgggtg cgctcctcac  
60cggaacaaaag cagcatgata aggactgcag cgggggagct ctggggagca gcttgtgtag  
120acaagcgcgt gctcgtctgag ccttgcaagg cagaaatgac agtgcaagga ggaaatgcag  
180ggaaactccc gaggtccaga gccccacct ctaacaccat ggattcaaaag tgctcagggg  
240atttgctct ccttgcccca ttctggcca gtttcacaat ctagctcgac agagcatgag  
300gcccctgcct cttctgtcat tgttcaaagg tgggaagaga gcctggaaaa gaaccaggcc  
360tggaagaaag ccagaaggag gctgggcaga accagaacaa n

401

&lt;210&gt; 2202&lt;211&gt; 404&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcncgnnnc actattttaca gagaaaccta caacagatgc ttgatgttgt agaaactggg  
60acatatagat accaagcaaa attataagaa acctataagg tgttcaatac gcttgtgttt  
120ccaaaattca ctgtacatga tcagtttgggt gttcttgtag cacagttttt aactgaagga  
180accagttgta acagtctcaa tttaactaa aacttgaaga actaaaacaa caatgcaaac  
240ctttcagcat tgtttgccca aacttgtaa aactgtaatg caagaaccaa atgcaactgt  
300atgtggcacc aactaattag caagcatgaa tttttcacc aagagtgaag aaaggaaaat  
360ctaccatggc ttgaagttaa agagcagaac tctgactac catt

404

&lt;210&gt; 2203&lt;211&gt; 404&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgctgctgtc ggtaatacca ggtgcctgtc ctactgtgt gagtggttct ctagccagac  
60atgaggaggg atcctattgt ttcccatagc taggcagcct aagagagtag gggaaagagc  
120tggtccaga tgaaaagggc accatctcca gctcttgga gcagagaggg tggctctttg  
180gattcccagt ggcagcagca accaacctgg ccttagtag tttctaagtt acaccatgtt  
240aatggataaa ggaattactc agcttgaagg gatctggttc ctttactctg gcctgatgtg  
300tggggagaaa gggggcaaaa agtttacgat ttggagttaa catcgaaatt tctgctttgt  
360tggtcagggg ttacagcatt aatggacagg ttcaccctga ccta

404

&lt;210&gt; 2204&lt;211&gt; 401&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt aggttatatt tcacgctttg tgcctcacta aatatcctct tgaaagggaa  
60gtttctgtc accctgaaga ctgctggatc agttagttag acaaatccca agaagctggc  
120ttggatgtca aattggctt gggctcatag agaggaatgg atttgttgcc ctgaaaagga  
180gcgataactc tagtttttaa acatttgtt tagttcagat aattactgcc cttattcatt  
240gtgtccacct gagtcagaaa gcattgctgc tgttgcttg tctaaggag gaggaaccag

300gcatgtaacg gactgcatgc tggccagttg tgggtggtcag agcaagctgg aggccagcga  
360ggcccttcag gggctctttc aagggtctgc cttggggagc g

401

<210> 2205<211> 402<212> DNA<213> Homo sapien

cactacggct tacggctgac aaaagacggc agaagggact gatataattag cttccttgga  
60gtctccaccc tcttctgggt tttccacaag tgtctgacat cacactatat tgcagtcctg  
120atcactcagg ttttaaattg ctgtgtaate tgcgactatg ctctccctg ataccatttt  
180cagagagaca caaagccttc gtgcttttcc ttgtctctgc cacttgtgcc atctttcaga  
240ttacatttag agtttgctgc tccttctctg gaattattgt tgcagcgctt cccggataga  
300tactctgagt atagatgtgc acctttccat ctctttgtca cctaatacag ctcagtttcc  
360tgagtctgga ttgtatcctc caatccaggg ttctcagact tt

402

<210> 2206<211> 402<212> DNA<213> Homo sapien

ggcacgagga aaggcaggag gtggcggctg ggcacccgac ccccgcggcc cctgcccgcga  
60ctctggggc tcagccaggg cgaatggcgc tactcatccc aagaagttgt ctaggtccc  
120agacagcttt cagggtccct tgcggaggag gtggtgggac cacagacaca tggagagaat  
180ctggaactgt tctggtttct gaacttttcc ccgacaggac cccagaccct ctgagtcac  
240cccgcaggct taacgagact cggggagagt tagtgccgag gccagacact agtgcttttc  
300aagaattttg gttaccaggg ctttcccgag ccgagtgggg tgcggctctg ttcccagca  
360cccccttttc gccggccagg ccgactccgc gttactgtcc cc

402

<210> 2207<211> 400<212> DNA<213> Homo sapien

tctggggcca cctgcaagcc ccattccatt cctacagatc tctcagccac ctgtaagtcc  
60tttgtgaaga tgtgggtgac acagggggac aggaaaaccc atttctcaac ccagatccat  
120gtctccactg cttctactct gggttgggat tcaggaagac aggcacagtc ctctctgttc  
180atagaaacac ctgccagtgt caaggattcc agtcaggtgt ctatcccaac tggtcaggga  
240gagaagggca gaccattct caaagaccac catgtccaag gtctgacagc tccccactgg  
300ctgccccac aggggcttta ggctggtctg ggtcatgggg aagcgccct cttatcgctg  
360gtctgtgttc tcttgattt ggtatctatg ttggtacgaa

400

<210> 2208<211> 400<212> DNA<213> Homo sapien

ggcacgagac aggaagccct gaaggttcaa aagaaatata aaagcaaagg ctattttctt  
60ttttttttct ttctttcatt ctttcttcc tgggtttctt tttttcttcc ttctattttt  
120ttttcttttt taaaagcgag cggctctgcg ggggcgggtt ggggggggag ccgccgaggg  
180gaggtcgtct cgcctccgc gcgccggtag actggacttg aacactaagt cttcaatagc  
240tgagattctc catcttaatc tacttgagg caagagcaga tgggttggtt cattatggat  
300ggaggggatg atggtaacct tattatcaaa aagaggttg tgtctgaggc aaaactagat  
360gaacggccca aaaggaggca agaagaatgg gagaaagttn

400

<210> 2209<211> 398<212> DNA<213> Homo sapien

cggtgctgtc gcatatgtgt ccatcaatag agaacttgct aaatgattta tactacctt  
60acatattgaa atacgcatag ccgtggaaga taatttagta gatctatatg tcccattatg  
120gaacaatccc catggtgggg ggaaaagtaa ggtgcagaac tgtatcatag atgttctctc  
180tctctctctt tttttttgga aagcacatgt atgcttttat atacacagaa aaattctaga  
240atggcaaaaca agatatcttt gcaatagttt tttctggga ggggactcat ttaaaaaaat  
300tctcccatat tgcttggttt gtttggttaa agacatccat gtattcctac ttgggttaag  
360ccatgataac taaatatgat taaagttcag aacaataa

398

<210> 2210<211> 400<212> DNA<213> Homo sapien

nncacgagag actatgtgcc ttataccctt cgcattgtgt ccagtcggcc gagagaacat  
60ggtgttgga aaagaaagag cagctacaca tttgaatagt tggaaacagg gtttggtcag  
120ggaggaagg atgtcagcc ctgccagcct gtacttatta acagtagagg cttgtaccaa  
180gagctggagt cagacggcag cactatggag gactattcac aggaggactg gtgaaaccac  
240agtcaggatc tccatggcta tccaacagat caagaattgg atgaaatacc tggcaciaag  
300agaacattag caataaaaca agagtcttct gatgaagcac agagaagaga catcatgcag  
360aagattgtac agattttgga atcggtacag atgaaatggg

400

<210> 2211<211> 398<212> DNA<213> Homo sapien  
ggcacgaggg actatcttga tgatgtcgtc tcattatcag tgcttaggta cttttgatta  
60cctgtgtttc agtattaggg acactttagt acttcagatc ctgcaaata ttttgcagat  
120gaagtatgta tgcattgttac taagttaaac ttagaaacag aacctcattc agttattata  
180atggattttt gcaaactact gcaaatagca aatcaatgcc aatgttaaac aaagaggaaa  
240acgtgtgtg gactttgttc tcttgcaccg gtatttcagg aacatctgct tgccatcccc  
300acagctcttt aaaactggct attatgtgtg ctttccattc ttacatttct aatcatactg  
360caggaaaaac attggattca gcttagactg aagaaaan

398

<210> 2212<211> 399<212> DNA<213> Homo sapien  
cgctgctgtc gcgaaaccgc ttgagcatcc tcctgtgaaa aggaatgaag aggctcaagt  
60gcatgacaag cttaactctg gaatggtttc caacatggaa ggcacagcag ggggagagag  
120accttctgtg gtaaaccggg actctggaaa gtcagggtgt gtgggtgatc cccgtgagcc  
180attaagctgc ctgcaggagg gctctggctg ccaccaaca acagagagct ttgagaaaag  
240cgtgcgagag gatgcctcac ctctgcccc tgtctgttgc tgcaaacaag atgctctcat  
300cctccagcgt ggccttcac atgaagacgg cagccagcac atcggcctcc tgcactctg  
360ggacagaggg cctgaccatg agtacgtgct ggtcgaggg

399

<210> 2213<211> 398<212> DNA<213> Homo sapien  
ggcacgagat tttaaatagt atatttccag ggatagggtt tcctgttcc cgaattccag  
60ctgaggccaa tccttttagca gatcatgtct ctgctactcg aatcttgtgt ggagcccttg  
120tctttcctac tattgtctaca atagttggta aattgatgtt cagtagtgtt aactctaatt  
180tacaaggac aatcttgggt ggaattgcgt ttgttgccat aaaaggagca tttaaagttt  
240acttcaaaca gcagcaatat ttacgacagg cacaccgcaa aattctgaat tatccagaac  
300aagaagaagc ataaaactga ctctgtgttg ttctgcagtt ctctcatcct tatgaatctg  
360ttgtgttgtt ttgattccat cattaatgca ctgttggg

398

<210> 2214<211> 404<212> DNA<213> Homo sapien  
cgttgctgtc gaagagccac cagctggaat ctgcatgtta ggtggccttt ctctgcagga  
60gggtgacctc ttggctatgg aggaatccca agaagcaaaa tcattgcacc agcccttggg  
120gatttgcaca gacagaacat ctgacccaaa tgtgctacac agtggggagg aaggacacc  
180acagtaccta aagggccagc tccccctcct ctctcagtc cagatcgagg gccacccat  
240gtccctccct ttgcaacctc ctccgggtcc atgttcccc tcggaccaag gtccaagtcc  
300ctggggcctg ctggagtccc ttgtgtgtcc caaggatgaa gccaaagacc cagccctga  
360gacctcagac ctggagcagc ccacagaact ggattctctt ttcn

404

<210> 2215<211> 404<212> DNA<213> Homo sapien  
gacggtgggg aagatggcgt accagagctt gcggtggag tacctgcaga tcccaccgt  
60cagccgcgcc tacaccactg cctgcgtcct caccaccgcc gccgtggtga gcagctgcag  
120tgccaccttc tcattatctg ggctggatat gactgggtct tcaggaaact ggggtttggg  
180cctccgggag gccagaggg gctggtccc gggatgggtg gaggcgtaca gggattactc  
240tgggggttcga gttggcgcca agaattgctta tccagtgcag cgagaaggga gtgctgcttc  
300atgggggggtc agcagttgga attgatcaca ccttttcagg tgtacttcaa tcctgaatta  
360atctttaaac actctcacat atggagatta atcaccaact tctc

404

<210> 2216<211> 401<212> DNA<213> Homo sapien  
cgttgctgtc gggaggccaa gagcaccatt tggctgcacc ccgtcaccgg cgaggcgggtg  
60gtcaccggac accggcgga gagcacagat ttgcctactg gctgggaaga agcatatact  
120tttgaagggt caagatacta tataaaccat aatgaaagga aagtgacctg caaacatcca  
180gtcacaggac aaccatcaca ggacaattgt atttttgtag tgaatgaaca gactgttgca  
240accatgacat ctgaagaaaa gaaggaacgg ccaataagta tgataaatga agcttctaac  
300tataacgtga cttcagatta tgcagtgcac ccaatgagcc ctgtaggcag aacttcacga  
360gcttcaaaaa aagttcataa ttttggaag aggtcaaatt c

401

<210> 2217<211> 401<212> DNA<213> Homo sapien

gcctgatggg atatattcag tcatggcgct cgaactttcc agaaaacctt gctcagaagc  
60ttccaaacct tgtggaacta tacctgcact caaataacat agttgtgggt ccggaagcca  
120ttgggtctct tgtaaaactc caatgtctgg atcttagtga caatgcctta gaaattgttt  
180gccagaaat tggtcgtctg agagctttac gtcattctcg attagetaat aaccaactgc  
240aattcctacc tccagtacct cactgtggac cgaaatcgct tatggtatgt gccgcgccat  
300ctctgccagc tgcccagcct caatgagctc tccatggctg gaaaccgtct tgcatttttg  
360ccacttgatt taggtcgatc tcgagaacta cagtatgtat n

401

&lt;210&gt; 2218&lt;211&gt; 399&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg cactgtgctc ctgttctggc ttgtgctttt tcccatgatg ggcagatgct  
60agtctcaggg tcagtggata agtctgtcat agtatatgat actaatactg agaataact  
120tcacacattg actcagcaca ccaggatgtg cacaacttgt gcttttgcac ctaataacct  
180tttacttgtc actggttcaa tggacaaaac agtgaacatc tggcaatttg acctggaaaac  
240actttgccaa gcaaggagca cagaacatca gctgaagcaa ttaccgaag attggtcaga  
300ggaggatgtc tcaacatggc tttgtgcaca agatttaaaa gatcttggtg gtattttcaa  
360gatgaataac attgatggaa aagaactgtt gaatcttac

399

&lt;210&gt; 2219&lt;211&gt; 401&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagat gcattgttgg tgttttggga tgcaaggatg aattctcaga atttatctac  
60aactaaagac tcaattgggt catattcaga gacacatagt gatgatgtca ctcaagtacg  
120tttccatccc agcaatccca acatggtagt ctacaggttca tctgatggcc tggtaaagt  
180atttgatatt aatattgata atgaggagga tgcactgggt acaacctgta actcaatttc  
240atcagtaagc tgtattgggt ggtctgggaa aggttataaa cagatttact gcatgacaca  
300tgatgaagga ttttatttgt gggatcttaa tcatctggac actgatgaac cagttacacg  
360tttgaacatc caggatgtca gagaagtagt taacatgaaa g

401

&lt;210&gt; 2220&lt;211&gt; 404&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagag aacagagagc agtgtacgat gagcatggaa cagtggacga ggactctcct  
60gtgctcacc aagaccgaga ctgggagggc tattggcggc tactctttaa aaagatatct  
120tttagaggaca ttcaagcttt tgaaaagaca tacaaagggt cggaagaaga gctggctgat  
180attaagcagg cctatctgga cttcaagggt gacatggatc agatcatgga gtctgtgctt  
240tgcgtgcagt acacagagga acccaggata aggaatatca ttcagcaagc tattgacgcc  
300ggagaggtcc cactctataa tgcctttgtc aaagaatcga aacaaaagat gaatgcaagg  
360aaaaggaggg ctcaggaaga ggccaaaagaa gcagaaatga gcag

404

&lt;210&gt; 2221&lt;211&gt; 404&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga tgaccccaac gatccatact aggagcatgg attgatactg ccaaattggaa  
60acattaactg gaactgcccc tgccttgggg gaatggccag cggctccctgt ggagaacagt  
120ttaagtcagc cttttcctgc ttccactata gcacggagga gatcaagggg tcagactgtg  
180tagaccagtt ccggggccatg caggaatgca tgcagaaata cccagacctc tatccccaa  
240aggatgagga tgaggaagag gaaagagaga agaagccagc aaaacaagca gaagaaacag  
300ctcccattga ggccactgca accaaagaag aggagggatc aagttaatga aggccacaag  
360gcactgggca ccagtccttt tggagtggac cttttgcaaa aggg

404

&lt;210&gt; 2222&lt;211&gt; 397&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagac tggatgtata gcagtttttc caagaagctt ggctcagaag ggtagcagac  
60aggatgacaa atggaaagag aatgagggc actggaggat tgttaaagag tacagcatgt  
120ttgagtgtca cttgaaagg tccagtggag aagctgaaga agtaggtaaa ggtaagaata  
180aacaggggac agaagtcctg gagcagggag gagggaatgg gattctttaa aacctcttca  
240tcaagaaact aggaataaaa accaaagctg tactatctca gatttcagag aaagggaatt  
300tagaaggaag taatataagc aaagaacaac aatattctgt gactgttttt aataataact  
360aggaaaattc ctagtgcagt taactctgaa caaaatt

397

&lt;210&gt; 2223&lt;211&gt; 396&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gggggagggg gaggagcatt tgttatgtgg ggcagtcaga aggaacatgt  
60aaagactcaa aagtgtgtaa tgtttcatgg aagccatcaa caaagcggat gactttcttt

120atTTTTTTtga gacagagtca aactctgttg ctcaggctgg agtgaaaaac atatacctca  
180tctcactgct gactcagaca tttgtgtcaa agagaatatc ctgcctaata cctccgagcg  
240agtcttatta cagatgcgca ccacccttac ccagttgtgg tcattataga catcacttac  
300gcccataata ccctttccag tattgtttgg aaaaaattgt tcttattctg tgaccaccct  
360cttggaattt atagtgtcgg gagacatccg cctgcg

396

&lt;210&gt; 2224&lt;211&gt; 395&lt;212&gt; DNA&lt;213&gt; Homo sapien

gatcacttga gcctgggagg tcaaggctgc agtgagctgt gattgcatca ctgtactcca  
60gcttgggtga cagagcaaga ccctgtctca aaaaaaaaaa aaaaaaaaaa tttttgggg  
120cccttttttt cttaaaaccc aaaattaaaa aaacccttgg gaagtttggc ccaccccccc  
180ccaaaaggcc gggaaaaaaa ggcttttttt ggaaaatttg ggaggctttt ttttttttt  
240aaccccttaa aacccgga aa aaaagtta acaaccaaaa ttgggttttt ttttttttc  
300cggttccggg gggggggggg aagttttccc nccctcctgc tgcgtagncg aacactctac  
360ttcctttgca ccctaaacc acaacttgag cgtcg

395

&lt;210&gt; 2225&lt;211&gt; 392&lt;212&gt; DNA&lt;213&gt; Homo sapien

acctcctggg aaggagctac taccaaatac taaagctact ttttcttact cgttcgtagt  
60actgtcgaga atcagcttat cttcaccttc ttagactata tgtgaaaagg cacaatagga  
120agtttgggca cattagagac aaatgtgcta tactttacgg cttagcctgc gcccggttct  
180tattttatcgt caactgtgga caaaatgatt ttgtttcatg agacaaaagg ggaccaccaa  
240cttctacggg aatgtctgcc ttttgctaga tagactgtct attacataac catatgtagt  
300ttatttttaa ggagaattac atatttttct tcacatgtca ctgtagaag taaatcccaa  
360tagtaagatt tccctaaaca aagtatttct tg

392

&lt;210&gt; 2226&lt;211&gt; 397&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcanaagct cagtatgtct ctttcaactc tagtttttga ggcgggggaca caggagggtcc  
60agtgggacac agccactccc caaagagtaa ggagcttcca tgcttcattc cctggcataa  
120aaagtgtca aacacaccag agggggcagg caccagccag ggtatgatgg ctactacct  
180tttctggaga accatagact tcccttacta cagggacttg catgtcctaa agcactggct  
240gaaggaagcc aagaggatca ctgctgtccc tttttcttag aggaaatgtt tgtctacgtg  
300gtaagatatg acctatccct ttaggtaag cgaactggta tgtagtaac ggtacaaaag  
360ttaaggggtct tgtggtttac ccactgaaa tatgta

397

&lt;210&gt; 2227&lt;211&gt; 392&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgtctgc ggtgaaattc tgtattgatt tttctctaag gagaatatga catgcttgtg  
60cttaccaga tcaagtgcac tgaggggcag tttgtttgc ctgaataaac gttaaaggaca  
120agttaaacaat ttgatgataa gctacagttt ttcttacaaa gttaaatttt tatttatgag  
180ctgatagttg gcttttgaat ccattatttc atgctttttt ttaaaaaaaaa aaaatatcat  
240aataactttt tgaagaggca tttgggtccc atataaattc ttttactttt attcactggg  
300tgactaaat aatgagaacc ttgggtggat tttgtttac ttccaaaaaa caagggttagg  
360gatgttttta ttcccctacc ttgaagaaag tg

392

&lt;210&gt; 2228&lt;211&gt; 395&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagaa tggatctgaa tttgacaaat agcatgccac actaatacta cagtcaacaa  
60cagcccagag aacaattact atgtcagctg gaggtatat tatgattcta aattcttaaa  
120ggtttttttc cctccataaa tcaaaaatta cttatgttaa accaaaaatt agttgggtatt  
180tatgggtcatg atcttaattc tcaagtttag cttaatcttg tatttcattg tttgtcttct  
240aatatgacag cttaaattca gatttttaag tgactcagca aaataggagg agtgtcccaa  
300tttatttagtg ttgtacatat tgaagaaaac cttttgttc cttcagattt agaaagaaac  
360agtttaacca tttatttctt ggtattctgc tgctg

395

&lt;210&gt; 2229&lt;211&gt; 393&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagat tatatggacc ccctaagtct tttttctag taaactgatg atactggaaa  
60ttcttttact tgacatgcac aagaataagc tggaggcgat ttttccctt catcacagat  
120tcatgaattg ttttaaatgc ttcttaaagt ctggctttat aaccgtttta aatcaactat  
180gatgatttta gataaccaag taggtattat aatacaaaac aattttaagt gtaagaaact



240atagtataat caaagtaaatt tcagttattg tattttgtggt gttgccttgc cttgcatgat  
300gctgggggaa aaagagaaaa gaaatggttt tctttttgta ctttcattca gtgcacaggg  
360aaaaaagcat gtattgtgcc accggaagac aag  
393

<210> 2230<211> 159<212> DNA<213> Homo sapien  
acaaacgatt tctgttcatt ctttaagcat ctatatattca tttgttgtgc acatatgcat  
60atgagcccat ttaagatatt tgcataact tgatagaaac cataaagggtg tagcagttaa  
120gtccagccac atttggttaa tcagtgtttg atataattg  
159

<210> 2231<211> 394<212> DNA<213> Homo sapien  
cgttgctgtc ggccatgggt gtgacaaact ctgaatacca gaggacacaa agggagagga  
60aaaactgttc tatttttttt ccccagggtac atgtggaaaa attttgctgc actgaaaata  
120acccttgctt ttctcttgct ccaggctgcc cttttcttgg gcctgggggt gttgttctcc  
180ttggtcagca ttcccttggt catctatgac tgggctgct catcgagtag tgacgaaggc  
240cactgaaacc cgccgagaaa aagaaacatc cctgttgtct gtcagacaa gtccccacac  
300atcagcaatc tctcaccact tcttttgcaa gtttacagaa gcaaacagaa atgtacagga  
360tactttaaatt ggaataactt tttggatgca aaac  
394

<210> 2232<211> 395<212> DNA<213> Homo sapien  
ggcagagag actctgtctc aaaattaagt atctctaaat acaggattat aatttctgct  
60tgagtatgga gttaactacc ttgtatttag aaagatttca gattcattcc atctccttag  
120ttttctttta aggggaccca tctgtgataa aaatatagct tagtgctaaa atcagtgtaa  
180cttatacatg gcctaaaatg ttctacaaa ttagagtttg tcaactatc catttgatcc  
240taagagaaaa ataggctcag ttagaaaagg actccctggc caggcgagc gacttacgcc  
300tgtaatctca gcactttggg aggccaaagg aggcagatca cgaggtcagg agttcgagac  
360catcctggcc aacatggtga aaccccgctc ctact  
395

<210> 2233<211> 393<212> DNA<213> Homo sapien  
cgctgctgtc ggggtcacc tgcataaaaa cacatggagc agactgctga gccagctcag  
60gggaagcga gagacccag gagtgacggg gagaatgcaa ctcaactgtc attacacagg  
120atatggcaga tcggatttga ccaacaaaat ggggaggaac tgatccagat gtggaatgtg  
180acagagaatc ccttccact gccatggaac atttataaaa ataatacat gttaataat  
240gaagaaagg agccacacat ttaaaaaagc agaaatcgta caggccactt cctcagataa  
300ccattctaac tagggtaaaa ttatacatca ggactgaaac cacaacata taggaaataa  
360gataaagtct tttggttttt ttgagacgga gtt  
393

<210> 2234<211> 391<212> DNA<213> Homo sapien  
gaaatctgtt ctttcacatt gcaaaacaga gtctgagagc aagaattcac attcgaaaac  
60ttcaggtgaa aagaaccacg tggaaaaaga taaaatgaat acattggaca ttttgagaat  
120ggagactaca gagagagaga atccagaagc tgaaactgta tctgtactcc tcaacacatg  
180gaagatcaat cgcgtaaaga ttttgaagag gaagatggca tattacagcc tgagaaaaat  
240gattcttttc aaaatatgca gccagatgag cccaagggtc ttagtgaatg tgtaagcgtt  
300caagagaata ataaggcga tgaacttaac caagtccaa ttctaaggac tcgatttcag  
360aaaccaaagc caaatatagg aagaggaact g  
391

<210> 2235<211> 396<212> DNA<213> Homo sapien  
ggcagagag agagagagag agagagagag agagagagag agagagagag agagagagag  
60agagagagag agagagagag agagagagac tctctcactc ttgcgcgtgt atttatacac  
120acacacacgc gtgaagacac ctctctgtgt gcgcgcactc cccctctt ttgttctgta  
180gaactgtgtt ctttttgca tatgtgtggc gctctatctc tttgtttacc cctatatcc  
240cccgtctac acgttttctg gcgcgcgtgt gcatttttt tgtgacgcag gcacgggggg  
300gtgtgtgaca tttttaacc ccncacgcc cccctcgta cgatgttctt tctttctttt  
360tcgtccttgg ctttttgctt atagtgttt cccact  
396

<210> 2236<211> 392<212> DNA<213> Homo sapien  
ggcagaggg ctgacgtgga ctgtccacag tgttcatgtg ctggagtcag ggacggccgc

60acctgcctcc gccggctcca gtgtgcgggg agcctctgcc tgagtgtgca ccaggcccat  
120gtttattgac cacagtctga gcggggggga aggggactgc ggtggacacc agaggaagct  
180gtttcctgtt gtgatgttgg acctgtagta ggacatgggtg atttgtaaatt ttccatggga  
240agccatgatg gcctagcatg gaggggaatct gttcccaggc cctgcctgga agttgagga  
300aagtttagac atctgcagag aggcaggcag cccagcccag gggaccggtt cctcttgaac  
360cagtcattgc ctgtggcaaa tgtgtgtatg aa

392

<210> 2237<211> 395<212> DNA<213> Homo sapien

ttgataaaaa gtcaaagatt agcaaagata tatgctcatg caataacaca tatatgaagc  
60acagaagcaa aagctggact cagaacaaaa atagcaagtt gagccttaaa cacactgagt  
120ttgccttggg agtagaatgt ccaggcagag aagtccatca ggcaattgaa aatgtgaatc  
180tgcaacttgt aaaaaatgta ttattcagcc tgggctgtca tacaatagac cacagactgg  
240ttggccttaaa caacaaaaat gtatttctaa ccattctgaa ggctagaagt ccaagatcag  
300gatgtcagca tgggtgggct ctattgaggg ctctcttctt ggcctataga tggccacctt  
360cttgctgtgt cctcacatgg ctaaaagaat aagag

395

<210> 2238<211> 394<212> DNA<213> Homo sapien

cgttgctgtc ggcaggctgt gatcggatc ctacagcctt accctcgtgt cctggatctt  
60ttccttccat ttctgtgta cagccttttt ggggacactg ccgttaccac actctagcta  
120gcatagctct gtctgtagggt gtcccataaa ggtgatagga ctgaccacac cgtcaccttt  
180cccggaaacc caagaggag cgttccacag agggagcgtg tagtgggggg aactgtttta  
240taaattaatc cgtttattga aaggttcaca aggacaaaga ggcaacagca agagtcaggc  
300acagaaataa aggacgcaga agtagaagtg cgccttggac ctggaggact cttccagagt  
360gtttatcact tggtagacct gtaggagggc tgcg

394

<210> 2239<211> 396<212> DNA<213> Homo sapien

ggcacgagga ttgtcccagg acctgaaggg agcatggatg gcctcagggc ctggtgaagt  
60ctgtactctt gtccttactg ctgaacatcc tgcttgatc aggaaactca gaagcagttt  
120gccttgtcaa attcaatctc aatggccatt gtccacataa ctgatcacc atggctgcct  
180ctcctattat ctattatcac tgaaacttag tagcctgctt tttttttttt ttttttaaaa  
240cctatgggaa atttcccttg ttgggaacct tggccccggg ttgggttttc ctttccttg  
300gaaaattaaa acccaaaagc cttttttttt tgggtgaatt accggagggc cttgcctaa  
360ggggctgccc tgccccttg gggaatata aaaaa

396

<210> 2240<211> 391<212> DNA<213> Homo sapien

ggcacgagct ttcttaaaac catctaaaat aaaaccttct tattttagta gtgtcagtga  
60aaataagcag tgacatttct tagaattctc agctttcaaa tctacatgct gtgatcctgt  
120ctgcctacca tctggacagt tttgttttac tcttgggttc ccccatggag taaaagtctc  
180aatcatcta gcattgtttc tcttacctc aggtgatcca cccgcctcag cctcccagag  
240ggctgagatt acaagtgtga gccactgcgc ccagcctaca gaggactatt gagcatccaa  
300tgactatgct aggtatgcag gtatagtact aagtaacagg agttccta at cctaagaggt  
360tctccatcta gcagaagaaa accaaacact t

391

<210> 2241<211> 392<212> DNA<213> Homo sapien

ggcacgaggt tgctcacagt ggttcacgag ttatcgaaca tgatacagtt aatgatttcc  
60gagagaagat gatgtataaa gctatacatt gtgttcaaaa tatgaaacca gaggagtatg  
120ctcataagat tttggaatta cagatgcaca gtataatgga aaagaaaatg aagaccaaga  
180gaaatattgc caagcattac aagaataacc catcactaat aactttcctt tgcaaaaact  
240gcagtgtgct agcctgttct ggggaagata tccatgtaat tgagaaaatg catcacgtct  
300atatgacccc agaattcaag gaactttaca ttgtaagaga aaacaaagca ctggcgaaga  
360agtgtgccga ctatcacata aatggtgaaa tg

392

<210> 2242<211> 391<212> DNA<213> Homo sapien

cgttgctgtc gagaggttta accttggaaat aaaagaaaga atcagcaa at acattatctg  
60agcctacata cactttgtaa aaagtatact tccactgttc agaattagat gatggcacia  
120aacctgttga ggtcttcatt catccttaca aatgtttatt atgctgagtg tcccagggtga

180ctggatacag tggagtgaat tagaaatttg aaattattgc cctgagggga cctacattct  
240tcttggttga gtgctgtctgt gtgggataag gtagacaaat aatataggaa attcaaaaaa  
300ttgtttcaga ccatagtaag ttctatgcc aaatgaata gtccatatga taagaggaac  
360agacattgtg agatgttga tctataggaa a

391

&lt;210&gt; 2243&lt;211&gt; 396&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagat aaaaccagc tgtgtaagaa ttattctaaa tttaaagttt attcttatta  
60ccgtagggat aggaatgtca gcaactcactg aattatggcc tctctctct gtgtctggac  
120ctcctggcag cttatggttc ccgtttcctt tggataacag gatacagctg gtggcaaaat  
180tctcacctgt ggaatggcca ttgggagttt tcttctccat atagatcttt gcaaagcagc  
240agaaaccatt ttgacaggaa accacaagcc tgtgttaaac accaaaagag aattgaaata  
300acatgtccat gagttcctct ttctagaggt accaaccatc atgtgggcatc ctaagtatag  
360tgtaaagtag ctctttgtcc tccccttcac tttag

396

&lt;210&gt; 2244&lt;211&gt; 392&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagggc aggggtggagc cctctgagct gccgctgat ctgcagcact ggatctccta  
60caacgagggc agcagccagc tgctccgcat ggagagtagg ctacgtgatg tcaccaagga  
120ccagtgaacc ccaccttcac accgtctgcc ctggccacca tcttgggctt gggggctgcc  
180cacagatggg cagtctcagc catactctgt tccagctgga gtacgtctct gaccagcctg  
240gcccaccctg ctccaccac tgggcccccc cagttattga taccctctg tgctgggctc  
300cacgctaggc agaaggagga gtggcattgg catctgacc cagctctgcc ctcaaggtag  
360ggatggatgg gcaaaggaga gtctgcctg gn

392

&lt;210&gt; 2245&lt;211&gt; 397&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggttttcctc caattcctac tctagcagt acattagaaa ctacaaagag  
60tctcttcttc attgataaaa atgagcattt tacagtttac agagatcctg cacttattgg  
120gtcagaaaca ggagctaata atatttcacc ttctctaagc cagcatcctt tctctcttca  
180ctctctatct catagaacct gtttaaatac aggtacccat catctgcct taactcctgc  
240accccatctta ctagccgat catctagtc aactccatta cctaccatta acactcatcc  
300tctgactagt ggtccacacc atgctgttca tcacctcat ttacttccca ctgtgttacc  
360tggagtgcct actgcctcct tacttggtgg ccacca

397

&lt;210&gt; 2246&lt;211&gt; 396&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggnacgagnc cgcctctccc tggcctgagg ttcaaaggcc tcatcgatg gtcagtacag  
60tggggtcacc tgttgtttct atacaacagc aggggaaggg ccatggagct ttccctgct  
120gggtgctcct gctttggccc agcccacctt tctggtgct ccaagctagg aggtgtggc  
180cccagcctga ggagggtgtc ctggcctcca ggtgtgcagc aggggctgtg tgctggggga  
240ggttccagtt aggcgatggg atcctgcagt ggtctggtgg ctttcttgg aaccagattt  
300acctgaggag ctctgtcctg ctccctgtgg agggctccag atagctcaga aatgaccagc  
360caatggcctt ttgtttgggg gcctgaggtc aagaga

396

&lt;210&gt; 2247&lt;211&gt; 395&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggggcgtaag cacatctctt ttctggactg gccgactcct ttctggctcc  
60atcctctctt gacgttctc tgtccagctt aaagaaatcc ttgcagaaaa ctggtcagga  
120tctgggtatg ggtgggaagg agcaaggaga ttgctctggg attggcagtc ctgttctcta  
180tgaatcgggtg tcttttgggg aggcctggac tgaaatacta accagataac tcccctccca  
240cctccatgag gagctgcagc tggattgaga gctgtttang gtaggcaaaa atgctgtcaa  
300gattctctta ccttgtgct cttactctgg acagccctga ggttggctgc ctgccttct  
360ccttgctgtt tgatctaaaa tgcagggtgt tagcn

395

&lt;210&gt; 2248&lt;211&gt; 391&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagcc tgaagccagt agacagtga gaggtcgtt ggacgaacc gccgctgttg  
60gaggacgacc tcaagtgtgt cctgagcctg ggcatggggg cgggtggctgt gctagacttc  
120attcactact gcagagccac cgtgtgctgg gaactaaagg gaaacatggt ggtccttgtg  
180cacgacagtg gagatgcgga ggatgaggag aatgacatcc tgctgaatgg cctcagtcac  
240cagagccatc tgatactgag ggctgagggc ctggccactg gcttctgcag ggatgtgcac

300gggcagctga ggatcctgtg gaggagacca tcgcagcccg cagtccaccg ggatcagagc  
360ttcacttacc agtataagat acaggacaaa a

391

<210> 2249<211> 395<212> DNA<213> Homo sapien

ggcacgaggg catctggccc tcacctcccg ccgtagctgg ctgtgacgcc cgccatgggc  
60acactggggc agtgacgtga gaagacgagg atgcccagca ggctgacaac ggtgcagaac  
120aggcagaact tgatgaccgc ggagcccccg agcctgagct tgttcacaaa gaagccgccc  
180aggaaggtgc cgccaccacc cgctggcacc accagcctct caccagagca gactgtcggc  
240ctcacatcac cccacactgc aggagggcgg ctctttcctc tcggccacac ctagagcctg  
300gttccgatga acgcaactct gaatgcctgg aacattcaaa tgctcttggt tgaggaggtg  
360gccaaatgta aatggattct gaagaatcag gaaca

395

<210> 2250<211> 397<212> DNA<213> Homo sapien

ggcacgagct ggcggcatta tctgcgggt tatgctgaca ctaagctggc taatgtactg  
60tttgcccgagg agctcgccaa ccagcttgag gccactggcg tcacctgcta tgcagccac  
120ccaggggcctg tgaactcgga gctgttcctg cgccatgttc ctggatggct gcgcccactt  
180ttgcgcccatt tggtctggct ggtgctcgg gcaccaagag ggggtgccc aacaccctg  
240tattgtgctc tacaagaggg catcgagccc ctacgtgtga gatattttgc caactggcat  
300gcggaatagg agcctccagc tgtcctagac gaccgggcaa gccatcgct atgggagggc  
360agcaagaggc tggcagagct taggcctggg gaggatg

397

<210> 2251<211> 392<212> DNA<213> Homo sapien

actgcacgag ggtcaatcca acattgttta tatcagttca cccgtaatga gaaacttcca  
60gatgcgaata aactgctttg agaagtatgc acacggagac agtgtaatgg accaaaggca  
120tatataaaag gtgaaaggaa gcatgtttac accaatgcca aaaagcacat gctaatttct  
180cttgctactc ctgatcttac tcttcattta aagagatttc agcaggtgg ttttaacctc  
240cgcatagtta acaaacacat aaagtttccg gaaatcttag atttggctcc tttttgcacc  
300cttaaagtga agaagtgtgc agaagaaaat acaagggtac tctattcctt atatggagtt  
360gttgaacaca gtggtactat gaggtcgggg cn

392

<210> 2252<211> 396<212> DNA<213> Homo sapien

tcttagacga ccaattatag gttatggagt ataattattac aagagtttcc ggggagaaac  
60tttaggatat actcggtttc aagggtttta tctgcctttg ttgtgggaac agagtttttg  
120ttggaaaagt ccgattgctc tgggttatac gagggggccac ttctctgctt tggttgccat  
180ggaaaatgat ggctatggca accgaggtgc tgggtgctaatt ctcaataccg atgatgatgt  
240caccatcaca tttttgcctc tggttgacag tgaaaggaag ctactccatg tgcacttctc  
300ttctgctcac gagctaggta atgaggaaca gcaagaaaaa ctgctcatgg agtggctgga  
360ctgctgtgtg acggaggggg gagttctggt tgccan

396

<210> 2253<211> 393<212> DNA<213> Homo sapien

cgttgctgtc gattgccgtg gcgagcgaca agtcctcttt tgccactcct ggggtgaacg  
60tcgggctctt ctgttctacc cctgggggtt ccttggaag agcagtgctt agaaagggtg  
120ccttgagat gctctttact ggtgagccca ttctgcccga ggaggccctg ctccacgggc  
180tgcttatcaa ggtggtgcca gaggcggagc tgcaggagga gaccatgcgg atcgtagga  
240agatcgctc actgagcgt ccggtggtgt ccctgggcaa agccaccttc tacaagcagc  
300tgccccagga cctggggacg gcttactacc tcacctccca ggccatggtg gacaacctgg  
360ccctgcggga cgggcaggag ggcacacgg cct

393

<210> 2254<211> 388<212> DNA<213> Homo sapien

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388

&lt;210&gt; 2255&lt;211&gt; 387&lt;212&gt; DNA&lt;213&gt; Homo sapien

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387

&lt;210&gt; 2256&lt;211&gt; 385&lt;212&gt; DNA&lt;213&gt; Homo sapien

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385

&lt;210&gt; 2257&lt;211&gt; 388&lt;212&gt; DNA&lt;213&gt; Homo sapien

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388

&lt;210&gt; 2258&lt;211&gt; 389&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggctgaagct gtcaccttgt ggaatatcag atattaagga tggccagaag  
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240atgcatatat aaataccacg gccaaaggga ccatcccttc ctttatctga gaaaggaagt  
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389

&lt;210&gt; 2259&lt;211&gt; 385&lt;212&gt; DNA&lt;213&gt; Homo sapien

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120gaattccagt ttatccacat cctcatcaac agttgttttg tctgtctttt ttattatatt  
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385

&lt;210&gt; 2260&lt;211&gt; 390&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gctctgaagg aggtcttcaa ggagtatttg attgaactgt ttttcttgca  
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240aggggccgga agcacagtag agacggacct gtttaagagg cagcaggcga tgccctccac  
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390

&lt;210&gt; 2261&lt;211&gt; 386&lt;212&gt; DNA&lt;213&gt; Homo sapien

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240tccaaaattt tcaggcttct gggcctaact caaactgtaa ttcatgagg cggccaagt  
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386  
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240cattaacatg tcaaggaaat tatattattt atgggtgtca aaaattatga agtagtgat  
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389  
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388  
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386  
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389  
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389  
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240agtttagcta ttatacagta catggcagaa acacaattca aactcaagtt tatacgaata  
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390

<210> 2268<211> 390<212> DNA<213> Homo sapien

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240attggctcttg ttatccactg tattagcacc ttccctgatg tgctttggag gttgatcaat  
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390

<210> 2269<211> 387<212> DNA<213> Homo sapien

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387

<210> 2270<211> 385<212> DNA<213> Homo sapien

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385

<210> 2271<211> 386<212> DNA<213> Homo sapien

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120aataaaaaaca acaatctgag cttacaaaaa aatttaacaa acagggaaga cagaaagatg  
180gtatatttat tgcttgacta cactggcata actcattta aaaaaatta tcacatttaa  
240taatataacc tgttatagct aaatattaaa cacatattaa ttagggccaa ctttgaagga  
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386

<210> 2272<211> 388<212> DNA<213> Homo sapien

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120gacaaaagga gcaggaagtc aatcacttcg atcccagttc tctgaagccc agaagaaaa  
180cggattttcc ttcgttttgg ttccggaggcc tagtagagaa tttggattcc accaagttct  
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388

<210> 2273<211> 390<212> DNA<213> Homo sapien

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120caccagcaag tattccatac ctacttgatg ttgctgggtc ggtgtcttat ttcctaaagt  
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240aaggattctc tctcctgaga ttgtagcagg cagccaaaca ttttcaaag atgccccagg  
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390

<210> 2274<211> 389<212> DNA<213> Homo sapien

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389

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389

<210> 2276<211> 390<212> DNA<213> Homo sapien

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390

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386

<210> 2278<211> 385<212> DNA<213> Homo sapien

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385

<210> 2279<211> 390<212> DNA<213> Homo sapien

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360aggagggcaga agacgtggac gtgtcccggg

390

<210> 2280<211> 386<212> DNA<213> Homo sapien

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386

<210> 2281<211> 390<212> DNA<213> Homo sapien

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120ggaaagactg ttctggcatc agatacacac cagcgaattc ggggctataa cttcgaggac  
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300gacagagttt tagtaagaaa gtatcaaggt gttacacaag ggttttatac aattcattca  
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390

<210> 2282<211> 390<212> DNA<213> Homo sapien

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390

<210> 2283<211> 385<212> DNA<213> Homo sapien

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385

<210> 2284<211> 386<212> DNA<213> Homo sapien

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240gggggagggc ggaggacttg agcagggaca ggagttacca ctgaggacgc agaagtgact  
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386

<210> 2285<211> 385<212> DNA<213> Homo sapien

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120tttgaatata catatggaag aagagcaaaa gggcacaaca caccaaaaga tatcgctcac  
180ttttgggaac tcggtggagg aacctcttta ttggacttaa tcagcatacc catcacaggt  
240gacaccttac ggacgttttc tctgttctc gttctggatc tttcaaaacc taatgatctc  
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385

<210> 2286<211> 389<212> DNA<213> Homo sapien

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120cgtttccacc ccactcccct gctgctgtct ttgctggact ttgtggcccc ttcaaggccg  
180tttgtggtct actgtcagta caaagagcct ctggttgaat gctacacaaa actgcgggag  
240aggggagggg tcatcaacct caggctgtct gaaacctggc tcagaaatta tcaggttttg  
300ccagatcgaa gtcataccta actgctgatg agtggagggtg ggggttatct tctctccggc  
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389

<210> 2287<211> 388<212> DNA<213> Homo sapien

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120tgcagttcct ccttggaac aaggcactct ttcagagttt gttgtagtca gtgggaatga  
180ggtctctcac aaacccaaat cactcactca tactcaagct gcctctttgc catatgtggc  
240tctcacagcc tggctctgta taaacaaagt tgggtggcctg aatgacatga attgcacagg  
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388

<210> 2288<211> 386<212> DNA<213> Homo sapien

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60tgggggactg gaggatatga ctatgatgtt aagctttggg attttgctgg aatggatgct  
120tcttttaagg cattttgatc cttcagccc tgtgagtgcc atctgatcat gttattacag  
180tttagtaaca caggagacat gattcttgtt gtatctggaa gctctcatgc caaggtgatt  
240gtcagagatc gcgttttgat gtattggaat gcttaaaagg agaccagtat attgcggaca  
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360agggagaatt tatgacttgc tcaccg  
386

<210> 2289<211> 385<212> DNA<213> Homo sapien

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120cctttgaata ctgtgccagg atttttaagc aacactttat ggacagcaga ataccttgc  
180taatcgtagc tgcaaagtca gacctgcatg aagttaaaca agaatacagt atttcaccta  
240ctgatttctg caggaaacac aaaatgcctc caccacaagc cttcacttgc aatactgctg  
300atgccccag taaggatata tttgttaaat tgacaacaat ggccatgtat ccagaggatc  
360attacagaga cagactctcc cgagn  
385

<210> 2290<211> 387<212> DNA<213> Homo sapien

attcaattct gcacgaagaa agctgagaa aatgaccact ttggtgctat ggggaggcct  
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120ggacatcatg gagccagtaa catacttcat cacttatgga agtgccatgg caatgtatgc  
180atattttgta atgacacgcc tgggaatatgt ttatccacaa gccagagaca gacaatactt  
240actatttttc cataaaggag ccaaaaagtc acgttttgac cttagagaaat acaatcaact  
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360acatctgcct ctccgacaaa ttggaga  
387

<210> 2291<211> 384<212> DNA<213> Homo sapien

cgttgctgtc ggtttttgta caagagcgca tactcatttc tttctctctt tttcaaagt  
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120gtaccagctg ggatttttgt attaagcagc tctatggggc tactatacca gcagaaaatt  
180agaagtcttg ctctaaaaag cattttcagc aaatacttgc tttgttctta agtttttac  
240tgccatcaatt tgtcagctaa tggatcacia gtgattggga ctgcctggag cttttttcag  
300ttatggtctt agatgtgagt cagagaatat tatctattga gtttcaccca cttctctgcc  
360cctgtgcttt tacagactgg cctn  
384

<210> 2292<211> 381<212> DNA<213> Homo sapien

ttttggttgt cacaactggn gggatgttgt tttcatctag aggatagagg ccagggtgct

60actcaacatc ctacaatgca tgggacaact cccacaacaa agaattatcc agcccaaaat  
120gtcatttagtg ctgaggttga gaaatactcc tctaaagtag ataaactcct tgagtaaaga  
180gaagtttacc atagcaactt tcagtagtac ttcaaagaag atagctgtat aaatgtcatc  
240aaactatact atgtagagaa tcttaagtga taaccagggt cacggattcc aaacatgtca  
300ttataaattg ttttatatgg tgctcactgg tgcatttttc cttttggata agggaaaaca  
360ttattccact tactgttttt g

381

&lt;210&gt; 2293&lt;211&gt; 383&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gctgggtgcg gtggtgctg cctataattc cagctactcc agatgttgag  
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120tactccagcc tgggcaacag agtgagactc cgtctccaaa aaaaaaaagg ggggtaaaaa  
180cctttgaaaa tggaccccggt tttttaactt tttattggaa atcctaaagg gggcttcggg  
240ttttcaaaag aattttccaa accaaccctc ggccggggga aatttgacct tttttggcaa  
300acgggggaata ttttttttcc tggagccctc gggggggggg ggggaatttt gccttaagac  
360ccttgggggt ttttggggca aag

383

&lt;210&gt; 2294&lt;211&gt; 384&lt;212&gt; DNA&lt;213&gt; Homo sapien

ctgacctcag gtgaccacc tgcctcggcc tcccaaagtg ctgggattac gggtttgagc  
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120tgcttgaaac ctaagtcatt tggaatgtac ttgttttggt ggtgtgctga gaggatcggc  
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240ctaanaactac cactctacac tcatccttca agattctttt ctcgagctga tcaaccatga  
300ttttgatgac gtccttaccg agccctgaga aactaaaact tcctagaggc caccctttgt  
360agaaaccgac aatccgtcta ctcc

384

&lt;210&gt; 2295&lt;211&gt; 384&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gcgttttcaa attcacaggg gagggggaat gtctcatact ccagccctcc  
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120cctcggatta gagatgctca acctgcatca acaaactaa agcctgcac tggctacctc  
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240attatgtgat gtattacttt tcccagcagg ccagtgtcag catactggaa gagggattta  
300ataagctggc acccttgatg ctatgtcct aatccaacct tatttgctc attggccatt  
360tccattatgg tggcagccct ccat

384

&lt;210&gt; 2296&lt;211&gt; 384&lt;212&gt; DNA&lt;213&gt; Homo sapien

gccgcactcc actgcacagg acacttatgc caccctcttg ccagatgcct ttgaagaaag  
60agtcagactg gtccaccctc cccagcccc tggggctcct tgagcctctc tccagccttg  
120gcaggaggag gaaaagcagc acctccctca gacagctgga aaggccctct tccttcccag  
180ctcagtgggt ccggccaagg gtcaccagac gggatattgt cccacactcc ctaccaaccc  
240caagaacaca ctccacaccc ctcttcgctg ctgcggtgtg aagcttcagc ctaacccaat  
300cccacagagt ccatctcgac agcctgggat gacacgggtt cccagagggt ggacagagt  
360ctgggtgtgg gtgccagttt agac

384

&lt;210&gt; 2297&lt;211&gt; 379&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggc tatacacagc tctgttttgt caatgacctt tgttgtaagt ctcccaacgt  
60cctattagga gccacagcag gtgaggcatt tgggtgcagca ggaaacatgg ggactgccta  
120ggctcgaatc tgtggcacc ttagcaatta cttaaattgt ggagcctagt tcctcatctg  
180taagatggac ttgagattcc tacctctcat gattactatg gagattgaat aattggtaaa  
240attctcctag ctcagtgaact gccacaggat gggcttttca gattttggct ctcttttagct  
300tctggttctt gaaagaaatt aatctgtata taacataaga aactttgaaa gtcaaaaaaa  
360caaaaaattt taattcctc

379

&lt;210&gt; 2298&lt;211&gt; 384&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagggt tttctcctgt taagctccat tgcctcttc cacttttgc tattattata  
60ataaacatta taaatgttaa aaactcaaca atatgttgnt aaacttattg ttttatgtac  
120tctatgcttt tttttttttt ttgaaaagga atttttcttt ttttccccca gctggaagg

180aatggcctta atttttttta acaaaaactt cgccttgggg ggtaaagaa ttttcaaatt  
240taacccttct gaagaactgg gaataaaggc ttggcgaccc ccccttcagt tattttgttt  
300ttttaagaaa accccgggtg tttcaaagta aaaagggggg gcttggaact ccgagcccaa  
360gggggtgcc cccaccttga aacc

384

&lt;210&gt; 2299&lt;211&gt; 384&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagca aagaatttta ttcaattaaa cttgaaatgc atctggattc ttaaagggtc  
60agtagtgatc actgggacag ggcgatcata aaactgaatg ggctgtcgga aggtgtcgag  
120gcagcagcaa ggggtgacatt gccactgacg ggggcttccg aactggggac gtttgtcatt  
180gggatgtgtt acaagttcgg gctgtggaaa ttactcgatg aaaaacgcac attaacgata  
240gcatgaaat attagttaag ggaaactagg ttgagaaatg agacagcagg atctatcaga  
300gcctggcatt gttcgccaca gcccaggtag tgattaaaac gactgtcaag cggcagtggtg  
360tgggagctga ggagcacggn gctg

384

&lt;210&gt; 2300&lt;211&gt; 384&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggtgtagtcc gagtttccac agccaggtag tactccgcca gtgaccctgg  
60acagtaacaa aacatataaa gcccagagccc aaaccccgcc accatcatag gtctgtagtt  
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240caaagtgtct ggattacagg tgtgagctac cattcctgac ctaggggctt ttctaaggaa  
300ggcagaaaat gtttgccata cacagtgtgg gaattttgct gtcctcgtgg atcttcatat  
360cttgccacaa ggttcaaca aagg

384

&lt;210&gt; 2301&lt;211&gt; 384&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgactctcct gctttggtat ttgagtttga tttaaacaaa gcgtcgtgga tgggaggtgt  
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120ctgctgcagt ggttttcaca tatacaaaga agtggctaga atgttctctc agaacagcac  
180acgggattag aaaggacatt tggcgcgtgg aattcttcag tgagaattca gtgattaagc  
240ctgccttctg ttttcttctg gggcgcaggg gttcctgtgg atgtccccc cctcagattg  
300ctggagtaga aaacttaact ttccaaaaca ctgagttgtt ttcagcccag cattagaggt  
360taaagatgct catgtagaaa gccg

384

&lt;210&gt; 2302&lt;211&gt; 380&lt;212&gt; DNA&lt;213&gt; Homo sapien

caagtttgat gcaacataaa ctgataaagt ttgaaataaa aagagacagg ttggtaggaa  
60agaccattca tctctatcc ccaaactggc ttaagtccac tccactgcc ccagctacc  
120acctttttac tttattctac ctgctatttc tttggccacc ggaataataa gcctgatgta  
180aattctgttt catactccca cagggtcaact ttttttggag tttgacaata attattccaa  
240gtcaagtaat tcattgattt tagtggaga ttgttttcca ggtgttattc ttccatgcgc  
300ctcaccceca tctcataaag tagaaaagag atgatttaat ttatgggtct agaaaataaa  
360aatgtaaata cttgcttgtt

380

&lt;210&gt; 2303&lt;211&gt; 380&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagat tttggagacg acatgggtgag aggctagctc tagggatggt ttagaaaata  
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120ccctgggaag ggcagcgacg ctgggttggg aggagcatag actgcagggc atctgcctga  
180gtgtagagtc cctgggcctc taattctgta aaatcgcggt aatagcatcc gcttctctga  
240gctgtagag gtgtaacagg taaacccatg taagggtgctt aggacagggc tgggtgctggc  
300taagtgcctg taatatcgtc agcatcatta cctgcgttat ttagcactg atcgccatgt  
360cagctgcctt caaggtctgg

380

&lt;210&gt; 2304&lt;211&gt; 383&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt gtgttctgt tgtggctatt tttagaatac ggtgtttctc agaattgata  
60agaccatggc acaaaactgt gacgattggc tttggagtaa ccctgtgtgc ggttcttatt  
120gcacagaaat cagagcctca ttcccttatt agtgaagcat tgataggag agcagcgtct  
180ttggtaacag atagcacctc tacctttctc tctcagacca catatgcgtt gattgaagct  
240attactgaat atactaaggc tgtttatacc ttaacttctc tttaccgaca atatacaagt

300ttactttggga aaatgaattc agaggaggaa gatgaagtgt ggcaggtgat cataggagcc  
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383

<210> 2305<211> 379<212> DNA<213> Homo sapien

gggaagagca cctagcccg aatcccccta cagactagt ggcagtgggga cgctggtgat  
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120cagctccaca tcttttggag ctagatttgg ggagagagaa gctctacccc agacttaata  
180cccattgaaa tttcacctca ggtgttgtgt cctgtgtctg gttaagtgtc ccatggaagg  
240ggaaagcctt cacgtcagaa cccaacccta taccttttac ttcttaaatg gtgctaacca  
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360ctgggaaatg tagtttccc

379

<210> 2306<211> 154<212> DNA<213> Homo sapien

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120gcaaggaagc cttctcccat tatcccaat gaaa

154

<210> 2307<211> 384<212> DNA<213> Homo sapien

cggtgctgtc ggggtggcctt tgcccttgat cccagctatg ccgaaggctg aggcaggaga  
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120cctgagcaac aagagcgaaa caaaaacaaa caaacaacaa aaaaaaaccc acccaaattc  
180ttttttttaat gtagtagggg ttatatagat atactaatat aattgcattt ggagaattag  
240agtatgtatg gagccacac atactgtgat ataaagtgt tatacagata tttggatatt  
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384

<210> 2308<211> 384<212> DNA<213> Homo sapien

cggtgctgtc ggggtggcgtt tgcccttgat cccagctatg cgggaggctg aggcaggaga  
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120cctgagcaac aagagcgaaa caaaaacaaa caaacaacaa aaaaaaaccc acccaaattc  
180ttttttttaat gtagtagggg ttatatagat atactaatat aattgcattt ggagaattag  
240agtatgtatg gagccacac atactgtgat ataaagtgt tatacagata tttggatatt  
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384

<210> 2309<211> 379<212> DNA<213> Homo sapien

ggcacgagcc cgagctgccc cctgggtctc agggaccctg gccagcagc ccgggaagtg  
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120caaccggggt gtggggggtc ccaggctggc cccccgcaca cggactcgtc ctgcttgtc  
180acgcctccca gcaactccact tggccctgag cctggggacc cggactggcc agagtccggc  
240ggccccctgtg gaaaagcgct cccagagagg cagaggaatg gaccagcgg cctccggggg  
300gcagctccgg aaggagactc tgcagccctt gcggaggagt cccctccagc cccgtccagc  
360cgcagctcca gcaccgagg

379

<210> 2310<211> 380<212> DNA<213> Homo sapien

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120ggaaagactg ttctggcatc agatacacac cagcgaattc ggggtataaa cttcgaggac  
180cttacagata ggaacatagt acaagaagat catcctatta tgtcttttac tatttcaaaa  
240aatggccgat tagctttgtt aaatgtagca actcaggagg ttcatttatg ggacttgcaa  
300gacagagttt tagtaagaaa gtatcaagggt gttacacaag ggttttatac aattcattca  
360tgttttggag gccataatga

380

<210> 2311<211> 380<212> DNA<213> Homo sapien

cggtgctgtc ggcacttctc cctaagccct ctctggggcg aagctactcc tgccctgatc  
60tggggcccc tggtccagggt gcctgcacct ggccacctgc tccacccaa ccaagccgac

120cacggccgcg gcggcacact gtgggtggtg gggaaatggc ccgagccccg ccacccccctc  
180ggccctgtct ccggaaagag gtcttccctc tcggaggagt gggagcctcc ccttctctca  
240ccacatcttg ctggtccacg gcatccactt ccttctccga accagcagaa cccaggttg  
300gttcaaccaa agggaaggag ccaagagcct caaaggacca ggtgctttca gaacctgaga  
360ccaagaccat gggaaagggtg

380

&lt;210&gt; 2312&lt;211&gt; 378&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc ggccagagtg ttagaggtat ggggcagctt gagaagaaag ggaatggctt  
60aaaaaagcca ctatgcagat caaaaaaggg aacagggtta aggtgagtag aatactgacc  
120agccccatag ataacaataa acaatgttaa atatgcgaat gacagaattg aaagtcattc  
180aatgcaactt catcaaagggt gagtcagggt tggattgac aaaagaaaga ggaaactca  
240cagttagtta gtggagtcca tttatgtagt tatgtgttct acctttttaa attgtagtaa  
300actgagtttg ggatagattg attctttcat acattctact ccagttagta gatattaaat  
360atatacatat attttatg

378

&lt;210&gt; 2313&lt;211&gt; 152&lt;212&gt; DNA&lt;213&gt; Homo sapien

catgatatcc tgaaacccac ggcaggaact gaacctggta aagagaataa ggagtttggc  
60ctgagaaaag caaactcttg cattctcaga caatgaggtg gatcagttac cctacttcac  
120agcataagag gggaaatgtgc tctcagcatt tg

152

&lt;210&gt; 2314&lt;211&gt; 377&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggc aacctctgcc tcccaggttc aagtgattct cctgcctcag cttccccaat  
60agctgggact acaggtgtgc gccaccactc ccagctaatt tttgtatttt tagtagagac  
120aggggttttg catgttggtc aggtcgttct cggaaactcct gacctcaggt gatccaccgc  
180cctctgcttc acaaagtgtc gggattacag gcatgagcta ccgtgcctgg cctaaacctt  
240acgcttttga ggttgagtgc aggccttggtg ataactaagt gctacttttg acgagccttc  
300aacaagctgc ccagtcctct cctcagcaga cgcatacaggt tgtagttgca tctttacagt  
360ggtctttcct tttattt

377

&lt;210&gt; 2315&lt;211&gt; 377&lt;212&gt; DNA&lt;213&gt; Homo sapien

ccgagttgaa tcttctaagc gcaagtctgc aaaggagaaa aagtcctctt ctaaggatag  
60ccggccatct caggctgccg gggataacca gggagatgag gtcaaggagc agacattctc  
120tgagggcacc tctcaagata caaaagcctc tgagagctcg aagccatggc cagatgccac  
180ctacggcact ggttctgcat cacgggcctc agcagtttct gagctgagtc ctgaggagcg  
240aagcccagct ctcaaaagcc ccctccagtc tgtggtggtg aggcggcggt caccctgctc  
300tagccccgtg ccaaaactga gtcctccact ttccagcaca tcccagatgg gctcaactct  
360gccgagtggg gccgggt

377

&lt;210&gt; 2316&lt;211&gt; 153&lt;212&gt; DNA&lt;213&gt; Homo sapien

ctaaatcttt tcttttctgct tctccttaaa ttgattgtac ttccaaattt gctgttatga  
60tttttttcta atactgtgat ctatctgac tgcagacaag aaccttgtct ctgttgaaga  
120gcatcaaggg gagattatgt acacattgaa atg

153

&lt;210&gt; 2317&lt;211&gt; 376&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagggt gtgttctgt tgtggctaac ttaagaagc gngttttctc agaattgata  
60agaccatggc acaaaactgt gacgattggc tttggagtaa ccctgtgtgc ggttcttatt  
120gcacagaaat cagagcctca ttccttagt agtgaagcat tgatgaggag agcagtgctt  
180tttggtaacag atagcacctc tacctttctc tctcagacca catatgcgtt gattgaagct  
240attactgaat aactaaggc tgtttatacc ttaacttctc tttaccgaca atatacaagt  
300ttacttgga aatgaattc agaggaggaa gatgaagtgt ggcaggtgat cataggagcc  
360agagctgaga tgactt

376

&lt;210&gt; 2318&lt;211&gt; 378&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc ggtttttgtg tttttagtgg agatgggggt tcaccgtgtt ggacaggctg  
60gtctcgaact cctgacctg tgatccgcc gccctggcct cccaaagtgc tgggattaca  
120ggtgtgagcc accgcgcctg gccagttggt acctaaactt taacacctt ccttgccgtg

180acgtccaagc caccaccttc ccacaacccc tgttccctctg gggaatacac tgtttttgca  
240cttttacctcc ctaccagcag ctctttccag attgcagggg cgagctggtg ggaagcttgc  
300agattgtttc gcactgccgt gtaatctgtg tgcttgccac tggggtctgt tcttccttga  
360gttggtacag tgaaatat

378

&lt;210&gt; 2319&lt;211&gt; 373&lt;212&gt; DNA&lt;213&gt; Homo sapien

ccgagcantc gttttttgtt cgtgcttttc cctttttacc cccttttttg aaggttaagg  
60aggcggagcc cctatttttt actggcgggg ggggcctttt aggggttttt aaccaccttt  
120gccccctttt taaaaaaaaa ccgttttttt ggggcttgga aaacttcgaa aaaatttttt  
180tttaaaaaaa ggggcctggt ttggaaccgt ttttttccca aaggaccggg gcggaaaaaa  
240aaactttaccc ttggtccaaa aaaaaaaggg gaaaccttgg cccttcttag ggggaaaaaa  
300ggcccgccgc ctaaaaaacc cgggggggta cttttttttt aaaatcaacc ccttgatgat  
360ggggggagac ccc

373

&lt;210&gt; 2320&lt;211&gt; 377&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagat ttgaagtttg ttaatggagt gacttggggc caggacccag gaagttaagc  
60agctcctcca ctaccaccag ataacattga aaactccggg tgctgaccag ttttcctgcc  
120ccactccttt ccagctgtc accttctga gagtagaggt ctgagatgtc cagggtgtag  
180atgggagaaa gcctggagag gagaagcaag agtcttctat aatctctaga taatcagtag  
240cttagctaata tgaataaaga actgaataaa tgattttaat tgaaatattg ccatggtaat  
300gctagtgttg taataaagat gtggcatgtc aggaggaaag tgcaaccgat atttgggtct  
360cctcaaattg ttagtct

377

&lt;210&gt; 2321&lt;211&gt; 377&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgctgtagt ccagctact ggggaggctg aggcaggaga atcccttgaa ccaggaagg  
60ggaggttgca gtgaactgag attgagccac tgcactccag cctgtgtgat acagtgagac  
120tccgtcttga agagaaaaaa aaagggtgggg gggctggttt ggaatcataa acataaatat  
180tgaaagtgtt ggtgaccttt aatactacaa ttgtgtgggtc tgcagtcggg gagcatagag  
240atgggacctg gtatttaata ggttgtgggt gcaatcagca tggcctgagg gccaggaag  
300atcacacagc tgacacctta cctgctttcc ttccagttac tctgaccttc catgtctgac  
360ctcctctcc aggtga

377

&lt;210&gt; 2322&lt;211&gt; 373&lt;212&gt; DNA&lt;213&gt; Homo sapien

ttccgttgct gtcgggggt gcccatcacc ttccattctg ctgggatcag gttttcttag  
60tgcttgagaa gactcaggag ggcctgtccc atgccattgt tggccttaag agcaagtgat  
120tcagaagag gagtgggcac cactctcatc cagaggcccg tcctgagagg caagtgaggc  
180tgtgctctgt gcctgggtc cccaggtgg cacctgtcgg tctgtggacc tggttgaggc  
240aaggatgcc atctggacat ggagccgaca caggtagtca gggggccagc gggacgtta  
300ccaacagctg tcttttcccc acctcagaat agcattcctt tcgaacacca cggcaagtag  
360ctgctcgtct cct

373

&lt;210&gt; 2323&lt;211&gt; 375&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggggcgttcc tgtcggggtt gcagcggcgg gagggagccc agtggaggcg  
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120gtaacaccac tgtgcccaat gccccccagg ccaacagcga ctccatggtg ggctatgtgt  
180tggggccctt ctctctcatc acctggacg ggggtgggtt ggctgtggta atgtatgtac  
240agaagaaaaa gcgggtggac cggctgcgcc atcacctgct ccccatgtac agctatgacc  
300cagctgagga actgcatgag gctgagcagg agctgctctc tgacatggga gacccaagg  
360tggtacatgg ctggc

375

&lt;210&gt; 2324&lt;211&gt; 377&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gggcagctca cggaattgtc atgagatggg gtgttcccag tcatgcccac  
60ggcatctctg cctcctcggg cccacactgc ctgcctctgt ggcctgagtc ccttcagctg  
120tgtgggcctc cctgagtgcc ctgagtgagg tggcagaagg ggtgagaggc catggcgtct  
180ttggggctgg tgagccggat ctggccatct gtcacctctc aggcgtgcag gcactaatcc  
240ctccaagcct cagttggcca cagtgagaag gggcctggta acactgtcct ggatgccagg

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360ggcagagggc tggctgt

377

<210> 2325<211> 377<212> DNA<213> Homo sapien

gccgtcaggt gcgggcccag gtggcaggcg cgcccggttg gcaactggggg acgcggggcg  
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120actggagatc tcctggatgg agttggatta agacagaaga tggctggaag agatgtgaat  
180cttgtagtca gaaacttgaa agagagaata accgttgtaa catcagtcac agcattatct  
240taaatagtga agatggagaa atattcaata atgaagagca tgaatatgca tcgaaaaaaaa  
300ccatttttaga aatgacacaa atactcaaaa ggcatggcta ttgcaccttg 360ggagaagcct  
ttaatcg 377

<210> 2326<211> 368<212> DNA<213> Homo sapien

cgttgctgtc ggattgccaa agagtgatta tgtggctgag tgattgatga tggctctgaac  
60tgggtattca gggaagagaa ctagaagcca accatgtaga atctatgcag gtgctcttaa  
120gacattgggt tgactggaat tatcttcttg ttaggtctta ggaatctcct tccaggtaac  
180tttttctatg attagacaat tgattgttc agggtcacag agcaaagtcc acatttaatt  
240ccacatggcc aataaaagtg aggggtaca aggtgagatc cagggggccag agttatcaaa  
300gtgatacagc accttttaga ataggacagg gaatggagga attggaattc cagtattact  
360ttcaaaag

368

<210> 2327<211> 372<212> DNA<213> Homo sapien

cgttgctgtc ggattgccaa agagtgaaga tgtggctgag tgattgatga tggctctgaac  
60tgggtattca gggaagagaa ctagaagcca accatgtaga atctatgcag gtgctcttaa  
120gacattgggt tgactggaat tatcttcttg ttaggtctta ggaatctcct tccaggtaac  
180tttttctatg attagacaat tgattgttc agggtcacag agcaaagtcc acatttaatt  
240ccacatggcc aataaaagtg aggggtaca aggtgagatc cagggggccag agttatcaaa  
300gtgatacagc accttttaga ataggacagg gaatggagga attggaattc cagtattact  
360ttcaaaagca gt

372

<210> 2328<211> 150<212> DNA<213> Homo sapien

gaatttaaca cangnggata ccgaacttcc attctttagt cattccaggc ggatctgagt  
60tttatattcg aacttttaac acagcttttg agttttgagt gacttgaatt tttaatcttt  
120nttttaatac gtatcttaaa tgaacatatg

150

<210> 2329<211> 368<212> DNA<213> Homo sapien

ggcacgaggt ccagggtaca gttccttttag aggttcctca ggtgaaacca aagagaactg  
60atgatggcaa gggattaggg atgcagttaa agggggcctt ggggcctgga ggaagggggc  
120ccatctttga gctgaaatct gtggctgctg gctgccctgt gttgctgggc aaagacaacc  
180caagcccggg tccttcaagg gattctcaga aaccacttc cccactgcag tcagcaggag  
240accatttggg agaagaacta gatctgttgc ttaatttaga tgcacctata aaagagggag  
300ataacatctt accagatcag acgtctcagg acctgaaatc caaggaagat ggggaggtgg  
360tccaagag

368

<210> 2330<211> 372<212> DNA<213> Homo sapien

cgttgctgtc gcttattatt gctattaata ttagtttttag ctgccaataa taaattgagt  
60tactgttgat agcaatgtca atgtcaata taatacttga aagtttttat ctcaacacat  
120ttcttttctg aacctcagag ctgtatgtcc aactgcctgc ttacttcagt atctccactt  
180gaagatctta aattcatatc cgtttgctta aacctgaact catcgtcctc ctccaactgc  
240tctaccaca gctttcccca tctcagttga aggcagcgcc atctccact cctatcgtc  
300aggacagaaa cctcaggtt gtccctgggt ctttctctca gctctgcctc ctaaatatgt  
360ccatcatcca cn

372

<210> 2331<211> 367<212> DNA<213> Homo sapien

aattccgttg ctgtcgggtg cagggccttg gatgtcaggc caccctgtgt ggggtccctg  
60ttggcagcca ggtccctaca caaacaagta atcctgtttg gcctcctagg ttttgcata  
120gacctgcagc ctaatttggg gtgtagggga agctctgctg gcccttgctc ctttgtatgt



180tgggtgactt taatggctgg ccacataccc ctttctccca gctactcatt cactgacttg  
240ggtaagttct aagacagttc gcacttagaa aagaatgtga cacatcaaca ttaacttttc  
300ctgaaaagaa gagtttgctt aacatggctc taaagaagct tggaatttat aagactttcc  
360tttataa

367

&lt;210&gt; 2332&lt;211&gt; 367&lt;212&gt; DNA&lt;213&gt; Homo sapien

aattccgttg ctgtcggact tggcaccctc tgtgccctgg ggccccctgcc cagctggctg  
60ggccacctcc gtgtctgggt tcatcggcag tccccaagac ggtgctccag gcccttagac  
120agggagtgcg atcccacggc agtgggcagt cctgtcccgc gagccccggc ctacagtctga  
180gtggtgctga cctctaactg tggacgccat gctccatcct cctgggtgggt ggcggcgagg  
240cggggggggc ggccatgctg ggcagccac acaagccact gtcacctgct gtcgccacct  
300ggccgacct ggttgattgg ggaatgctgt cagccccgca gccctgtgg ccatagctgg  
360ggcccg

367

&lt;210&gt; 2333&lt;211&gt; 364&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgatgctgc gatctttctg tgttttttta tactctttta gggttggctt tttacaaacc  
60atgactttcc acttgctgt agttttttgt ttgctttgggt ttggtttgat tttatatatt  
120tttctcctaa tctatgactt tattgttttt tcttaggtta gtaatagcat ctttgatcct  
180gtgcttagca tgttaggttc attatacctc aggaatagca agctgttaag taaccatact  
240gaattaacta ttttaattaca gtgagctcat ctcttaaaaa ttgttcagggt gtaaatctta  
300tgagaaacat gaaaaagcac actgatttat ggagagtga gctaaaaaca tttataaata  
360tttg

364

&lt;210&gt; 2334&lt;211&gt; 366&lt;212&gt; DNA&lt;213&gt; Homo sapien

aattccgttg ctgtcggcat cttttatgta cacttgtcta ttcagacaag atcctcatga  
60tttcagaaaa aatatagaga gggctcctaga ctgcttaata gaggaagaa gtatcctgga  
120aagcttgta agaacgttct agagccacaa catgattgta ggccaagggc ttgtttttgt  
180gacctgac taagataatg ccatggttga ttgtatgttg gaagaatctt tgattggaat  
240ttggagtaat attaaggtag tttgtcttct ctgcagacat ttttaggagt ctttttgtgt  
300gagtgggtgg ggagtgtata gttttgttga acctagttaa attctgaata tcttccact  
360aaaagc

366

&lt;210&gt; 2335&lt;211&gt; 364&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagac ccgggaggca gagcttgctg tgagccaaga tcaagtcact gcactccagc  
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120aaaaaattcc ggggggcttt tcaaaaaaga tctttagggg gaaaaaatt tttttaacca  
180agacccaaac ctaaaacccc caaaaggga aaccggacaa acttggcccc tggtttttg  
240gggaaaaaca accttccggt taaaaaacca aatgggggccc ggggggtttt ctgccccgaa  
300ccccaccat ttgggggggc aggggcaacc cccctttgg gcctaggagt gggaaacccc  
360ccg

364

&lt;210&gt; 2336&lt;211&gt; 147&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgcgtgctac gttcccatat ccaaatttgg aagaaaccac aaggctgcct ctgactgagg  
60ccacaaatgg gcacatagtt taccttcaact ttttgaaaac catattaaga ttgagtcagc  
120actccatag actgcttgat gaccacn

147

&lt;210&gt; 2337&lt;211&gt; 359&lt;212&gt; DNA&lt;213&gt; Homo sapien

actactgctg cgagaatacc acagaagggt ttgcgcgcaa gaatatacgg aaggggaggg  
60gctagatgca agcagagcac atccccgtt taaagcacta tgggtggcttc acagtgcgt  
120tagaaaaaag agaaattctt tttatacaat ataagttcct gcagaatgca gacactttct  
180actttctcag gctcttttca actcctctcc tactagcttc tgtatttaag ccacattaga  
240ccttttcttca gttttttata tagactttgt tgcacacac ctacagagatt ctgtgcatgt  
300cttctctct gcctagaaaag gatcgccct ccactttcac caactaatcc ctctctcac  
359

&lt;210&gt; 2338&lt;211&gt; 144&lt;212&gt; DNA&lt;213&gt; Homo sapien

tcattttgat aactagcttt ccaggtggac ttagccatag gaaaatatta ctaatgtaat

60ttaacaaatt gctgcatgta tttcatttaa aaatatgctt aaaatgtcct aaaacaaata  
120attatctccc taagaggatg catt  
144  
<210> 2339<211> 342<212> DNA<213> Homo sapien  
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60ttcttttagcc agagactcct tctaccagc tgcagcca cctttgtgca gtggagggtg  
120agaatgcccc aaggatgcac gtaatggacc agcctttcca gcatttggct ttggctccca  
180gaaattttga gctttggcaa atcttacaag ctctgtgagc ctctgtttcc catgtttctc  
240atattcagag gtgctgggct ggactccac tgccagttcc ctgagctgtg cagggactcc  
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342  
<210> 2340<211> 188<212> DNA<213> Homo sapien  
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60cgcccttcac accaccaccg aggacagtgc aggggtgcac actgagttct aggccagtgg  
120gtccctgact gctgcacatg gcacaggccg ttcccttccg gaccagggca ggctcagctc  
180tggggagg  
188  
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60ttgctgtcga aatgacttat tttatatggg atgatacaca taggttattt gcaaatacta  
120cactatttta tatgagagac ttgagcattc gcagatttcg gtatccacgg gaggtcctgg  
180aaccaatccc ctatggatac caagggactg ctatgtatta caaagccaca tgctttggaa  
240ttacttcagt ggtccttcta ttttcattaa cactgatatc tagtttaata tgaaaaggaa  
300cttgaaatct tgaaaattag aacatcgtaa ttttttcta cttgcaatgg aaaatctatt  
360ttgctttttt gcttctagga aaatattctg attatgatat gtgatatgtt ggctactcaa  
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460  
<210> 2342<211> 465<212> DNA<213> Homo sapien  
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60ttcttcttct caatcttctc aatcacctgc ccttagaate tgagtggtec taacctagac  
120ctcttgctgg ccgagattta tacaatgtgg ttgtttttcc ttatcttgac taatcttccc  
180gaatcttaca ttgtgcctta atttgcacat ctgcacctct aatgtctgcc tatattatct  
240ccttggttca caaggacctt gtgggagagc tgctcacatc tcaacatgta aataaaatgt  
300gcctttgggt caacacagga gaggtgattc caacgttaac aagttggta aggaaactgt  
360cagctgttta tttttatttc aatctcttct gttaaactat aacacactga ttgagcaact  
420aaacactaat atgcagagag gaaaaaaaca caaaaaatat attgg  
465  
<210> 2343<211> 466<212> DNA<213> Homo sapien  
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120ccgggactat tatgactct tccccaggc cyaagacatc agcttgctgc agcaggcctc  
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240aggggtgcac agacggaaag ccacagatgc taaagaccca tcggtgattg aggagtctaa  
300tggggagcct aacggggtca cggtgacagc agaggcagtc agtcaagcat catcacatcc  
360ggagaactcg gaggaagagg agtgcattgg agcagccgcg gctgtgggccc ctgccatgtg  
420tggngtgga ctggactctc tcatctccca agtgaaggac ctgctg  
466  
<210> 2344<211> 453<212> DNA<213> Homo sapien  
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60gaagagaaaa agcaaagatc ttttatgcca cccagtgggt actttatgca caaaatttag  
120tgcaaatcca aaaactccag catcttgctg ttgttttgct cggaatgaa cattgtgata  
180atgagtggat aaaccattc ctcaaaagaa atggaggctt cgtggagctg cttttcataa  
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300catacaggaa ttttctgtg gtggaggcaa gttgggtcaat gctgcatgat gagaggccat  
360atttatgtaa tttcttagga acganttatg gaaaatcatc cagacaggca ctaatgaaca  
420tttttgaaaa agattggaaa cgatagcgtt gtt

453

<210> 2345<211> 423<212> DNA<213> Homo sapien  
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60ataagaacat tacaggggttg gtttttcttg catgggtggc cacctaattgt ttaaggagtt  
120ctgggtacctc ttcttattct ttattctatt cgattccatt tctgtgattc ttttattacc  
180actgatgttt tgcgatagtt aactatgata aatttaactg atcatgattt atcttctaga  
240gtatttaaat aatgtatgag tgaccaccca attccaacat taaaagtgtg atctgggccc  
300ataatttata gtgaaattgt atcaaaacat agggaaactg tattactggc cattttgaaa  
360atatgaaaact tgagtattga aatatattcca acatggaatg gcagtattct aatttcagtt  
420agt

423

<210> 2346<211> 425<212> DNA<213> Homo sapien  
ggcacgagag aaactgggtgc tagattttat ggatattcaga ataggaagtt atttgttctg  
60aatcttcagg tggttttcct tttctcttaa atgttaccac tttcctgcaa atttccatcc  
120ttaatatgtt agactgttca tatagatata ttgtgtttac aacaaggaaa aaatgccacc  
180atgtgctcag aacttttttg acaggtattt tgagaagagt tgcggaacat tctggtaatt  
240tgtagagatc tgttggcacc tctgcttcac aaactggaaa aaatcatttg taagtcttgc  
300taattacttt tcttggagaa gaaaaaaaaat gctacagctg caacaaatgt atagttttca  
360aaaagaaaaca acttttttgc tccccagtt attcttagtt tccagcccac gccttgcgat  
420agcgg

425

<210> 2347<211> 429<212> DNA<213> Homo sapien  
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120caacttaaga ctttttttagc atctgtatag ttgtatttca atttgagacc tttctatgg  
180gaagctcagt aatttttatt aaaagattgc cattgctatt catgtaaaac atggaaaaaa  
240aatttgttag tgaagccaac agtggactta ggatgggatt gaatgttcag tatagtgatc  
300tcacttagga gaatttgcag gagaaagtga tagttttattg ttttttctc gcccatattc  
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429

<210> 2348<211> 425<212> DNA<213> Homo sapien  
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120tagactgtaa gctccctgaa ggcaagaatc ctgtgcttat gctcaatatt agctctccct  
180tggcacagag taggcactca acaaatgctc cccaaaaggc tgagtggctg actgaattaa  
240gtaccagtga catgcagtaa ctgctaagat agatgagcca tctgtatgct ctgacagtta  
300cagactgaat aagttggaga ctccctaaa ggggtggcatt tccccagggt aacaacgcaa  
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420gcaaa

425

<210> 2349<211> 423<212> DNA<213> Homo sapien  
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120ttcagagagc aagtgaaccc aaccaacaat gtcgtcatct aagccctgac cctagccagg  
180gactcccatg ctgctgttgg ctccatctct ccacactgcc tttttctttt caactttttg  
240cccttctctt cttaaagct attctcatat tgcttttatt tctctctctc tcacctccaa  
300ccactgtcag cagcactctg gagttttcaa atgtcacatt agcctcacc tgcagtctag  
360gagatggacc tgtctctata cagcagtaga tgattgataa gtgaggaaac tgaggcttac  
420aga

423

<210> 2350<211> 425<212> DNA<213> Homo sapien  
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120tagtcgtggc cggaggagtc tcagagctgt cagaaagaat aagactgatt ttatgggaaa  
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240caagatgatt tatggtaata agatataaaa ccaaggaaaa taacctaaag tctgaaaaag  
300accagaatcg aagtttcttg attcatatatt taatgttttg aaatttatac tccaggctgg  
360gtgcagtggt ttgtgcctgt aatcccagca ctttgggagg ccgaggcggc cggattgcct  
420gaagn

425

&lt;210&gt; 2351&lt;211&gt; 429&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg acttcggtct ctgcggggac gtccacgtgc ggctgcgcca gcgcatcatc  
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120acgctggggc agcaagccag ggtttggttg gtgcgggtgc tgcacacct gctggtggtc  
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240caggagatgc ccttgtcca agagttgcc a ctgctgaagc ttggggtgaa ttaccttccg  
300tccatcttca tcgctgggt caattttgt ctgccggccc gggtaagct cattgcttca  
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420tccttcgg

429

&lt;210&gt; 2352&lt;211&gt; 428&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc gaaaaaagag aagttcgtt tatggacaga cttcgtgaat gggaaatttc  
60ttataattgt gagtagttct gaattagaaa agtatgtgaa ggaaaggcag ctgtaaactg  
120attgtgcctt ggagagttgt acacatgttg aaatgtaac tgggcttacc tgatccattt  
180ggagtggatg tcaactgcca gtctgttct acatggaacc atgtgtgtgg ggttgccagc  
240ctcacagata caatcaatcc tattccctc tgacataagg aactcctctg gagtggcaga  
300gtcttatcac agaaggcagc caccatttca ccaaaacaaa agttcacggc attcaattcc  
360tttttctt agctatttat atatgcagta ctctcagta tatgcagaaa tactttttt  
420tttttaag

428

&lt;210&gt; 2353&lt;211&gt; 432&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcaccttgg ctccccggca ggaggtggac acccatccag aggcctggct caaggtgacc  
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120tggaatatgt gttacttat gccccgcac ccaactcaca cggaagcacg ggtcttgcct  
180cagtccttct gctgcatttg gaaagcagtc tctctcggg ccagcgccgg gctgaggtgt  
240ccagagggcg cggcagctgg cagtgcctc agcccccaag tgtccagcct ggcacttccc  
300attcaggcca cctgcttgg gtcaacagtt cctttgccag cagcatctcc taaattgtaa  
360ggactctgtc caccggggcc ctcccagggc tgtgaggaca gaaacaggca gggagtggag  
420ctaacagctt at

432

&lt;210&gt; 2354&lt;211&gt; 437&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc gggggaccaa ggccgggact gctgtggtga aggtccggga ggctgagtaa  
60ggggacggaa gggcacaggc catggaaagg aatgacatca tcaacttcaa ggctttggag  
120aaagagctgc aggtgcact cactgctgat gagaagtaca aacgggagaa tgcgtccaag  
180ttacgggcag tggaacagag ggtggcttcc tatgaggagt tcagggttat tgccttgca  
240tcacatctga agccactgga gcggaaggat aagatgggag gaaagagaac tgtgccctgg  
300aactgtcaca ctattcaggg aaggaccttc caagatgtgg ccaactgaaat ctccccggag  
360aaagcccccc tccagccccg gacgtctgt gacttctatc gtgattggcg acgacacttg  
420ccangtgggc cagagcg

437

&lt;210&gt; 2355&lt;211&gt; 431&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagac aggttctaaa gaagtacca cgctctggt gcatgacca gccccctagc  
60cggcgccga agctttacat cgtgaacctg cagtggacct cgaaggatga ctgggctgcc  
120ctgaagctac atgggaagtg tgatgacgtc atgcggctcc tcatggccga gctgggcttg  
180gagatccccg cctatagcag gtggcaggat cccattttct cactggcgac tcccctgcgt  
240gctggtgaag aaggcagcca cagtcggaag tcgctgtgca gaagcaaaga ggaggccccg  
300cctggggacc gngtgcacc gcttagctcg gccccattc taaggggctg gtttggcagg  
360ggcttgacaa aacgcacaaa aaggaagaaa gtgacgtaac cactgctcg atgaaaacaa  
420gttgcacttt t

431

&lt;210&gt; 2356&lt;211&gt; 427&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagag acgctctttc ggtggctgtt gccacacgga ggcaagagtc tcctgctgaa  
60taacgagctg aagaaaggac cagcgtgtt tctgttcata cttttaatc cctggccga  
120aagtcatcct ttaatagacg agatcaccga agtggccttg gagtacaaca actgtcatgg  
180ggaccaggtg gtggagcgtc tccttcagca cctgcggcgg gtggatgctc cagtgtcggg  
240gtccctggcc ctggaagtgc cggcacagct gccagaccg ccaacgatca cagcgtcccc  
300ctgctgcaac actgtggtgc tgccccagtg gcactccttc tccaggacc acaacgtctg  
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420gtgcacg

427

&lt;210&gt; 2357&lt;211&gt; 427&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc gccaaactcca aactgacctg ggccgaggct gcctcgtgag cctcccagag  
60cccaggcctc cgtggcctcc tcctgtgtga gtcccaccag gagccacgtg cccggccttg  
120ccctcaaggt tttttgcttt tctcctgtgc acctggcgag gctgaaggcg aggggtggag  
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300tgggctccga ggcttctcca gagctgggag ctggctggcg tggcaaggcg atgctctggg  
360gcagtgtgtc cctcaggaac cagggtcctc cctcccctt ctgctgtgtc agccccgtgg  
420nctctgg

427

&lt;210&gt; 2358&lt;211&gt; 439&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggc ggactctaaa tgctctggac aaggatgtgc acgcggtggg caaggctgac  
60ttgggagag gctccggggc cagggtgtcg agggctaaag gcccagggca gcagcgtgcc  
120ttgggggctg gaggaattcc aagaagggtg cagtggagga cccgcaagg ggaccgccct  
180ctggggaaag atggagcacg cagggccag acaccagggt gtgtagggca ggggtgtggg  
240actcaccgg ggccccctgt tcctggggca actggccac cagccctgcc aggtcagggg  
300gtttctctgag tgtgcaaagc ttctctctcc ttcttgcgc attcttccct ttaacagtga  
360ttntagttat ttactcaaca agcatttatt gccgggcgcg atggctcatg catgtaatcc  
420cagcactttg ggagggcga

439

&lt;210&gt; 2359&lt;211&gt; 429&lt;212&gt; DNA&lt;213&gt; Homo sapien

acctacttgn nngnttggca ggatctcatc gatataatt cggcacgagg gatgctccat  
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120acctactac tgacgaagac acccattcca gtggaccact tgaccagg aggcattcag  
180ccatcatgat gtggccttta cctccactcc tgcctgttc taccagatt cagcacagcc  
240ctttatagt aagacagagt cctcaagcca aatagctaaa gctgttttat cacaacaaag  
300gcctagtttg ttccatgagt gtgcatttca tttcttcagt taaagccttc agagacacac  
360aataaatttg gaccagggga ttttttagtt attaatyctc tctgaagaaa ggcaacatct  
420ttttgagag

429

&lt;210&gt; 2360&lt;211&gt; 424&lt;212&gt; DNA&lt;213&gt; Homo sapien

gttcggcacg agcctacaca tccccggagg ccgccacaag ctgaaccca gccagaacgt  
60ggcggtcagg gaggtcttg agaagcctt caggtcatt cagggccac caggtagagg  
120gaagacgac gtgggcctcc acatcgtatt ctggtttcat aaatcaaacc aggagcagg  
180gcagcccga gggccccccc gtggggagaa gcggctgggg ggtccctgca tctgtactg  
240cggccccctc aacaagtcgg tggatgtcct ggcaggactg ctctgagaa ggatggagct  
300gaagccccctc cgtgtgtaca gtgagcaggc tgaggccagc gagttcccag tgccgcgtgt  
360gggcagcagg aagctgctca ggaagagccc ccgggagggg aggccgaacc agagcctcag  
420gagg

424

&lt;210&gt; 2361&lt;211&gt; 415&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagct ggggggaggc ctatagcaca gaggtctgt cttttgaggg tgactgaacc  
60aacaggggaa agcgaggcat ggtgaaaata gccatggatg gccaggctgg tctcgaactc  
120ctgacctcaa gtgatccacc cacttcggcc tccaaagt ctgggattac aggcgtgaac  
180cacctcgccc tgcaggagtt gattttaatt atgaaccatg attaaggaag gcaatgacca  
240cttatgattg ggggtataac gtgtattctt tactaatct gtgccttggc tcttgctac  
300ttggatcaga gagcagagag aatccttcat aaagaacaag gaaaaacagg tgaagttatt

360aaattaactg atgtaaagga cttctcctta cccctgtggc ttatatttat catct  
415

<210> 2362<211> 413<212> DNA<213> Homo sapien

ggcacgaggt tagaattaaa gcttatattt ctaatcaacc catttacagt atttcactta  
60gcctatacct tatttttagca tgagagcata atcttacact ttcattgctaa aataagggtat  
120aggctaaggg aaataactgta aatgggttgg ttagaattaa agtttagaac tctaaatctt  
180atgcttattt ttaaagaaaa aagttgcctc actgtcatga aatcctgtta ctttcattaa  
240aaaaaaaaat cttgtaaaat gggttaaattg gataatgtaa gacataatga aggccttgag  
300gcatttcata ctttaccagt ttacatttgg ctaacatact ggtaaggatt aggggttctct  
360ccactattgg aaaattaaat gctaaacgtc ctaagaatta cgttgatttc aan  
413

<210> 2363<211> 422<212> DNA<213> Homo sapien

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60gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga  
120gagagagaga gagagagaga gagagagaga gtgagagtgt gagagacaga gagagattga  
180gagcgcccc cccctctttc tctccctctt ctttgttttt ttttttttc cctctctctc  
240tctctctctc tctctctctt tctttttttc tctctcctga ggggtggccc cctctctctc  
300cttctctctc tctcgcgcgc gcgctccttt ttttttgttg ctttctttgt tgggccccctc  
360tctcctctcc ctctctccct ctctcaccct tcctcgtgtg tgttcgctcc ctctctcccc  
420cc  
422

<210> 2364<211> 414<212> DNA<213> Homo sapien

ggcacgagct ggacttaaac attactggaa ttttgtgtaa atggtttctt acaagatttc  
60acatctttac aattctgatg ctttttttaa aaaactaaac ttaatatatt ccatttaaaa  
120ttaaaagaaa tgggaaattg cctacggagc atattgcttt tcagatcata ggtatctttt  
180ccaataactt tattgtaaat ttaaggagg tttcgttgga ccctagagcc ataccttcac  
240tgacatctca tccgtttgtg tttccaaaag ctgcttttac aggtcttagc cgccgccccg  
300gaggccggtg tgggcgtgac ctgcatcgtt ccaccctgcg gctacgggag aagtcttagt  
360aacttggatc tggagtcttg aaaaacacaa accttacaaa tgcattcttc ttg  
414

<210> 2365<211> 405<212> DNA<213> Homo sapien

cgttgctgtc gcaggcacac aggtcccggt gcattcaggag aaaggctggg tcttggggacc  
60ttgtcctccc cagttggcct actgttacac attaaaacga ttgcccagc tcanaaaaaa  
120aaaaaaaaaa aaccttcggg ggccgttttt ttcgtaaaac caaaactgaa aaaaaccctt  
180ggggagttag gacaaccccc ccctaaaagg gggggaaaaa aaggcttttt ttggaaaatt  
240ggggaagctt ttgttttttt tgaaaccctt aaaccctgga aaaaaaagt aaaaaacaa  
300aatggctttt tttttatttt taaggttcag gggggggggg ggggaatgtt nnnnnnnnc  
360ccnccnccann nnnntnccca acaaaaaatn ccaaaaaaaa acccc  
405

<210> 2366<211> 406<212> DNA<213> Homo sapien

ggcacgagca cagtcagtgt taaagatgtg tatgtatatt actatacata taaattgcac  
60agcggagtat acatgtcaaa tcatattaat caaaatttat ctagccttcc ttaaaacaat  
120ttatcctata atatggatat taggcctctt tttctactta gctccagttt aactacgtct  
180aggctgatgg tataaaaatc acatgaaatg cgcaatggcc tatttcttat tagaaacctt  
240aaatggacat ataccaaatt atgagaatta taaatgtagc acaaaggata ggggtgagtc  
300taaactctatt ctgtaaagat gaaagctctt attttctaaa tctattctat aaagatgaac  
360tatttttttaa tctataaacc tcttttaagg gacgcagagc attcat  
406

<210> 2367<211> 406<212> DNA<213> Homo sapien

ggcacgagtg tagatctcaa ttaaagaact aaccaggat acctgaacta aagagaggtg  
60gcactgagtt tccatagaac ttcaaaaaca ttgggtgatt tcaacttaaaa aaaaaaagtc  
120attcaatata cagaaaatta ctcccctggg cagtactgtt agccccaat aatctgaaaa  
180aatttgttct taaaaaaaaa aacaatttgg aggccaggca tgggggttca tgctgtaat  
240cccagcacat tgagaggtca agttgtgggc atcacttgag ccaggaggtt tgagaccagc  
300ctggacaaca tggggaaacc ctatttctac aaaaaaatac aaaatttacc cgggcatggg  
360ggcgcatgcc tgaagcccca gctactcggg aggcagggc ggaagt

406

&lt;210&gt; 2368&lt;211&gt; 407&lt;212&gt; DNA&lt;213&gt; Homo sapien

nncccnanaa ttcttggtat tctgctgctg tgaatagggt tactttattct ttttaacatat  
60attgtgtgac tacgcaagta taggtcctgt tgtattgcat taatctttac cagtaactaa  
120acatcacaaag gttaatattg gtttggtga aagaattatg cagtaaagtt atttataagg  
180gaacatgatg actttattca atatttttct tctttgaaac atctcattac taacttttaa  
240gattatttca taatccctta tacatgagcc aatgaaatat tttgagctct acttaagaag  
300catgaagtct atattataaa tctaaacaac aaaagcactt gtaacttggt tagtaaattc  
360catgccttat tttccatttt tgacaccgca nagtgcattt tctgtcg

407

&lt;210&gt; 2369&lt;211&gt; 407&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagcagat ttcttggtat tctgctgctg ggaatagggt tactttattct ttttaacatat  
60attgtgtgac tacgcaagta taggtcctgt tgtattgcat taatctttac cagtaactaa  
120acatcacaaag gttaatattg gcttggtga aagaattatg cagtaaagtt atttataagg  
180gaacatgatg actttattca atatttttct tctttgaaac atctcattac taacttttaa  
240gattatttca taatccctta tacatgagcc aatgaaatat tttgagctct acttaagaag  
300catgaagtct atattataaa tctaaacaac aaaagcactt gtaacttggt tagtaaattc  
360catgccttat tttccatttt tgacaccgta aagtgcattt tctgtcg

407

&lt;210&gt; 2370&lt;211&gt; 407&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagcagac aattccgggg taaattaatt tcttagaaat gtttcagaga ataatacttt  
60ctgcctcaaa agtatgcatt tattatgtat caaataaaat tttaaattta gagaacattg  
120aagaaatatg agatcagaga aatcaaagat tattattaaa ttacatttct tttggtatct  
180cctgagattt ctacgttatg cattacttgt attcattcat ttattcatca aatacaatat  
240ttatctaaaa cctgctatga ccaagactgg gtgaggaact ggagacatag ctattaaaaa  
300aaatagtatt tatatttata aatgatgaaa caaaaagaaa aaatagaagg tgaatcggta  
360ggtaaaaaga gacaatagac taccagccaa tctcaatgtg tgaaccn

407

&lt;210&gt; 2371&lt;211&gt; 422&lt;212&gt; DNA&lt;213&gt; Homo sapien

nnnnnnnctt taatcccagc actttgggag gctgttgctg atggatcgcc tgaggttggg  
60agttcgagac cagcctggcc agcatggtga aacctgtct ctactaaaaa tacaaaaatt  
120agccagggtgt ggtggcgcac acctgtagtc ccagctactc gggaggctga ggcaggagaa  
180ttgggttgaa ccaggaggcg gaggttgagc tgagcagaga tctgtccact gcactccagc  
240ctgggtggac agagcaagac tccgtctcaa agaaacaaac aaaaaattaa aggggataga  
300atataatgaa atatattttg aacttaaatt atattctata tgtgtatctt ctaggcaaa  
360agctgtaatt tccagagaga ccattaggaa caggtagcat ctatttttct ccattattta  
420tt

422

&lt;210&gt; 2372&lt;211&gt; 168&lt;212&gt; DNA&lt;213&gt; Homo sapien

taaaggactt aaacacctat gcgcgatgat aaagagggtg ctattatagc gcttgaaaaa  
60taccagggaag ttgagagagt taacagaagg gcgcacgctg gattggccac aaaatcgaat  
120tactgaggcc actactgatt aggacactta tggagaacgt gggtagca

168

&lt;210&gt; 2373&lt;211&gt; 410&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgctgctgtc gatagatatg tatgtttgca tataggcaca tttagctgga tgaagttaga  
60tttaaatggt ccaatagaga actgtgcata caattacata ggcaaccaca aatcaaccct  
120ttctctgggc tatctaaaat aatcaggtac tagacaaaaa aatgacatgc tgtctgcctt  
180accttttagt gatgatttgt aggaagagga aggtaggggc tggtagtggt aaaagtagta  
240gagggttgta gggaatgttc tgtatgtctg aagacaaagt ctggagattg gtgggcccaga  
300aggtgtgaat ctactctgaa ggacaggcaa gagtccagcc cagggaaaaa ggtgcagatg  
360ggtaggattt ggtgggtac ttgaattaaa aaaatgaatt tgcgaggcat

410

&lt;210&gt; 2374&lt;211&gt; 422&lt;212&gt; DNA&lt;213&gt; Homo sapien

caagagactg acccttgaag ctactgggt gcatgggagg atatgggtgt tgaaaaacat  
60ctggaagaaa gggggaaaag ggagcagaga aggcaaccaa caacagctat tatagatgca  
120gatttttgag gcagaccgcc tgggatttaa aactttgctc tactactttc gagccatggt

180atcaagctaa tgaaacttta aaaaccttac tttctttaat aagtaaaaaa tgaaaaataa  
240tacctgctct tgagattgct aagattaatg aaagaacgta tgagtctgtc aaatgtcctg  
300gtccacagaa gggactcaat gactgtgttc cctttgttct tgctaggatg tgcattaggt  
360tacagtgtag ccacttgata gcatctgaag ggatcattac cttgctatat ccaacaaatg  
420tg

422

&lt;210&gt; 2375&lt;211&gt; 406&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagggc cagtcagtag gatggtgtcc tggagtcttg tccaccctct ccatacaagt  
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240ctgaaaagat gctggatagg ctaccaaagt tcccaagtgg tagataattc agaagacttg  
300tttgaatttg gatttttttt ttttttgagg gggggaaggg tataaggggg gctaaaaatt  
360tgaatcctta ttatttttat ttacggggaga atttacacca tctccg

406

&lt;210&gt; 2376&lt;211&gt; 420&lt;212&gt; DNA&lt;213&gt; Homo sapien

acatgatctt tatgcaggat cccatcgaga tcgcttttac cacggccata tggccagata  
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120gaacatgacc taatttaaca ggtaatttg aagtgcattc gccagtaga agaccagcaa  
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240ttgcccacaa ggaggaaact atacgacctg ctgcctttct tagggcctta ttattcaccg  
300ataacctgtt tccttgctac tttgctttgg tgtaagcaga gttctttctg taggtttttt  
360caaatgaaaa cattgcacga atatcaaaga gagcagtgtt tgcgttagtg attataaact  
420

&lt;210&gt; 2377&lt;211&gt; 420&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggcacgagc aaagaggggt ttctacatac acagaagcag ttcaacttct caagttaatt  
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120tcccttttctg atgatcaagg cctgcacag caggatgcc aaggatgcc ctgccatcta  
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240agaaagtggg gctgcagggt gacgataaga ccacctaacc aactccccac ctccaccacc  
300acaataagaa caaaactgta gggctctaaa gagaggggggt ggtttacaag tttattgagc  
360atttactagg aagtgcattg gcgatgacct ctgtacatga gttaggttca ctttcatgtg  
420

&lt;210&gt; 2378&lt;211&gt; 411&lt;212&gt; DNA&lt;213&gt; Homo sapien

cccaggcact gtactaattt ctgaggattc ttttgtgatc tcaaacagat atataagcct  
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120tttttagtttt tggaagaaag ctctgcagggt gaggagaagg acgtacgtgt gtatgggtatg  
180ttaacttttt ctgtgagttg ggtcagatga agcagttaga caaaatgagt ctcaaaaaca  
240tttttggcac cgaaagttag atgaactata ctttttaaga attgctagct ttgttttct  
300cttataatct aaagggaat atgtccactt gaactgaaac aactaagcac aatatataga  
360acttttactt ccactcttt tgtacttagg tcagngatgt tgcaatatct n

411

&lt;210&gt; 2379&lt;211&gt; 409&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gcacagagcc aagactcaat tcaggaccgt ggattccctt ggtctagaaa  
60ttttctgctg tgccagccca caccacccca ctgtccttac ctcgagtga tattacattt  
120gagtcatttg ctgggcccac acctagtctt cttgggtataa ttttaggata attgtttaag  
180tggaacttat tcattcagta agtagtaagt acttattgtt tgcttgcttc attatgaaag  
240agtggcacat gctcattaaa gatttggaaa aatgaaagtc aaaacaacaa aatcaccctg  
300agtcccaacc ttctgtaaca taaccactct tggcattggc gtgttccttt ctagtctctc  
360tgtaaacggn gtgtgtgagt gtgtgggttt aactntgggt ggctcatg

409

&lt;210&gt; 2380&lt;211&gt; 411&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt ttattccctc ctgcatcatt tccataattt gcttttgtac tgtcaattta  
60gaggaaaatgt gtgatgctgg tgttttgttt ggccgtgttg tttgatgctg ggggttttat  
120gtgttgtagc ctttaccctt tacattgtgt aatttgaaag tggcaaacaa acctgcagta  
180aaagtccctg attggcatct tcattcggat gatggagagc ctttgtggta gtgtttgctt



240atgtgaacag caggcctttc agataagaga agtggcctttt ccttggtgat gaaggggtag  
300agattgagcc atggggatgg tttagggttaa agaattgcttt tttttggcca tcatgaggat  
360ctaacaacag agtagaagga aggatgccct aggtcagcat gcagggtggt g

411

&lt;210&gt; 2381&lt;211&gt; 417&lt;212&gt; DNA&lt;213&gt; Homo sapien

ttcaaattca gttagctttc tggatcatca aaaatcaatc tgttttaaga tctagtctta  
60cccatgaaaa ctttaataat ggtagatata taaaacatga gttaattacc cccaaaatgt  
120ttcagttttt tcattgttat attgccaaaa accattcttg ctatatatat ttttaaaaga  
180agccatttgc atgtccttta gtggtagaat agaaatttgg ttaaaattgg atgacattta  
240ctttaattat cttcaaagta tgatgaattt ttcattgttg gaatgtgtgg tctgataatt  
300tttttaggaaa caacactcca ctgagagcgc tagaatctta gaattcatct acttcattct  
360cctcctggta ctctactttc ttctacaacg tcccagccga gctgaggtct gagctgt

417

&lt;210&gt; 2382&lt;211&gt; 410&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agagggatga tctagcctct gctccagaag gatctgtctg  
60gctgccatgt gggggacatg gagtggagca aagacaggag cccagtgaga gtcgaggggag  
120aggtgacctc agcttgggct gcggtgcagg ccatgggact ggcaggaggc ggctgggggt  
180acgctgtctt ttctaacatt cagcattggc tcagggggcca ggtcagggct cacagactgt  
240tgctataaag ggctgggtgg ctttcttccc cacagctact cagcctaatt ccattgcaga  
300gcacatgtag ccatggacaa cacaaggggc gtatccgtgt tccaggacag ccatattgac  
360aggaataggc acgaggccag atttggctct caggctgtaa tttcttgccc

410

&lt;210&gt; 2383&lt;211&gt; 414&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gtccaatcca ttatctagtt ttctgttctt atcttacttg tctgcccctg  
60gcactgttct tcacagttgt actcgtcctt ttttgcttcc aaattacatt ttctcatct  
120ggtagctgagc tcctgttaa ctttctttac tcttggtttt agcatttcca ttctcttgaa  
180tgttgccagag ctctgtcttc tgggtctttg tacaggttgt tccttggggc tacaatactc  
240atttccaaac ttttcaacta actaagaatt gcaggcctca gcattaatgc tacctgaagc  
300tttctctaat cctcatttaa attagttctg ttacaaactt tcaagttgcc atattcttct  
360ataacattaa cacaaatttt gtaaacatgt atttgggtgg ttggctaatt tctg

414

&lt;210&gt; 2384&lt;211&gt; 416&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gtttctctc tgggctatgt gcgctcttaa ggagttcaca cactttaacc  
60cccttaggaa cctacatga tcctcctcgt ttcttaaaga ggaagcagag ccagcaaaaa  
120agtgggggag ccacagttcc agcccagggtg tctctgggac ctgctgccc cagccagctc  
180ctcaggagca cagggcacc cagtgctgtg caggggacag ctgtcctcac aggaacagcc  
240ccgggacctc caggacttcc tggggtttac cctcagagca cccatgaggt tagaatcaca  
300aagcccggga gtcaggagac acagggcagc tggaggaggg tctttactga ggctactgag  
360gcacagcagc cccgtctaga ggctccccg agaggcactt cctgaggagt ctggtg

416

&lt;210&gt; 2385&lt;211&gt; 405&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagat attcctttgt gagaaaagtt ttgatcttta gcctagaatg atgcgtaaaa  
60gaaataaaga taattctact gcttggtctc acccggttac aaagcatgag tttgaagaca  
120ataagtgcct tgtccacatt ttgcgagaga caacagtaaa atactccaaa atacgttctt  
180ttcatggtca gtgtcagctt gatttatgtc gacatgaagt tcggtatggc tgtttaaggg  
240aagatgagtg cttttatgcc catagtcttg tggaaactgaa agtctggata atgcaaaatg  
300aaacaggtat ctacatgat gctattgtct aagagtctaa acgatattgg cagaatttgg  
360aagcaaatgt acctggagcg cagggtacttg gtaatcaaat aatgg

405

&lt;210&gt; 2386&lt;211&gt; 416&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga gattttcaac acttatgggc aaatggctaa ctggcaactg attcatatgt  
60acggttttgt tgaaccatat cctgacaaca cagatgacac agctgacatt cagatgggtg  
120cagttcgtga ggcagcatta caggaacaaa aaactgaagc tgaaaggcac ctagtgtacg  
180agcgtggga tttcctatgc aaactggaga tggtagggga agaggagcc tttgtgatag  
240ggaggaggga ggtgctgact gaagaggagc tgaccaccac actaaaggta ctgtgcatgc  
300ctgctgagga gttcagagag cttaaagacc aggatggagg gggagatgat aaaagggag

360agggcagcct gacgatcaca aatattccca agctcanagc atcgtggaga cagctg  
416

<210> 2387<211> 411<212> DNA<213> Homo sapien

ggcacgagca tgcttcgaaa cggagctccc ctcaccagac tcccgagtga caagctgaaa  
60gcagtcatcc ccccatctct acccccttcc agttttgagc tgcgagctc tgatcgggtcc  
120cggacgcgtc acaacgggaa ggcagacccc atgaagactg cgctgcccc gagagccagc  
180agggggccacc ccgtgggcgg cgggggcaca gacactcaga aattggagac cagcagaagg  
240cctccatctg gaacttcac tacctccaag agcacctctc caaccctcac gccctcccc  
300tcacccaaag ggcacactgc agagtcctca gtgtcttctc cgtcatccca tcggcagtcc  
360aagagcagtg tgggctccag cagtggcacc atcacagatg aggatgaact g  
411

<210> 2388<211> 411<212> DNA<213> Homo sapien

ggcacgaggt ttccttctcc tccctcccgg gacaagggtg catatacaat gtcattgttt  
60gggacccgtt tctaaatata tctgctgcct acattcctgc tcacacatac gcttgacagt  
120ttgaggcagg agagggtagt tgtgcttccc taggaagagt gtcttccaaa gtgttcttca  
180ctctttttgc cctgcttggg ttcttcattt gtttctttgg acacagattc tggaaaacag  
240aattattctt cataggcttt atcatcatgg gattcttctt ttatatactg attacaagac  
300tgacacctat caagtatgat gtgaatctga ttctgacagc tgtcactgga agcgtcgggtg  
360gaatgttctt ggtagctgtg tggtagcgat ttggaatcct ctgactctgc n  
411

<210> 2389<211> 417<212> DNA<213> Homo sapien

ggcacgagcc ttggggcaga ccctttcccc tggggtgctg atttcacacc tgtaaaatga  
60agaagtttga cttgcacagt gcttttctta gactgtggtg aggggtggat gtgggggtg  
120tgccaagacc aagtgaaga ggcttctgga cctccatcct tgcttcagcc agagcagcgt  
180gggttcattt catttttga ttttggttg tgggaagaaa gggttctctt gccggtgtgt  
240gtgtttctga taaacaaaga agtgtggaag tggctgaatg agatgacca aggactcttt  
300ctgggaagat gcaggaggaa gtaggtagc tgaggggaag ctggtgggga taggcctggt  
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417

<210> 2390<211> 413<212> DNA<213> Homo sapien

cgttgctgtc gggcgagtct ttaaaggagt ggctcatctt tcctctccct ggggcatttt  
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120gagaggttag ggccctggga aagggtgggag atcagccaga gacaggtttc ccagaacaga  
180atgtctggcc tttgtggtga ggagggactg tggtagtagc cgcanaagcg ggccaggggt  
240aaaccctcct gtgcgtcctt ccttcagcct ggtcctgagg gtgacccttt gatcctgggt  
300tctccaggta gggctgtgag ctgtgagttg gatccttttg gtgaaatggt ctctctcatt  
360tggcctgtca ctcaatgtgg aatagagtga gtgagttcta tgggttctaa gtc  
413

<210> 2391<211> 407<212> DNA<213> Homo sapien

ggcacgagcc caggctcacc ctacggaaaag aggggggttct gttggcccca catgacctca  
60tccctgatgt gctgcagagc aatgacgagg tgttggtgga ggtgacttcg tgggacctgc  
120ccccgttgac tgaccgctac cgcagggcct gccagagcct ggggcaaggg gagcaccaac  
180aggtgctgca ggccgtggag ctccagggtt tgggctctc gttcagcgcc tgctccctgg  
240ccctggacca ggccagctt acacccctgc tgcgggacct caagctgcac acagcactcc  
300gggagctgag cctggcaggg aaccggctgg gggacaagtg tgtggctgag ctgggggctg  
360ccctgggcac catgcccagc ctggccctcc ttgacctctc ctccaat  
407

<210> 2392<211> 405<212> DNA<213> Homo sapien

ggcacgaggt tcgaagtaag cagagcaaaa ccgaacgaga agcagagctc aagaaactgc  
60aagaagccag agagagaaaag cggttggaag ccaagcaacg ggaagacatc tgggaaggca  
120gagaccagtc tacagtttga acatcactca atgaaaggga taattccatg aatcagaaaa  
180tgttttcata gccttcagat aagatgatcc ttccagagct ctatgtacat gcagatgtgc  
240atgttaaaga gataaagtga tcgagacaag gactgactgg gtatagaagg aagacagact  
300cctgtcttca ctctaaatg cagttctttg gaatcaccct actgtgggtg gcgtagtagg  
360gagccatcag ctaggaagaa acgtgggaga tgtgaattcc aagag  
405

<210> 2393<211> 411<212> DNA<213> Homo sapien  
ggcacgaggg ttgctgcgcc gtcctccact actggctact ggcgtgcag ccattgcagcc  
60ccccgccccg ggcccgtgg ggcactgcct gcgggactgg gaggatctac agcaggactt  
120ccagaacatc caggagaccc atcggctcta ccgcctgaag ctggaggagc tgaccaaact  
180tcagaacaat tgcaccagct ccattcacgcg gcagaagaag cggctccagg agctggccct  
240cgccctgaag aatgcaaac cctccctccc agcagaggcc gagggggccg cacaggagct  
300ggagaaccag atgaaagagc gccaaaggcct cttctttgac atggaggcct atttgccata  
360gaagaatgga ttgtacctga gcctggttct ggggaacgtc aacgtcacgc t  
411

<210> 2394<211> 411<212> DNA<213> Homo sapien  
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60tccctagtgg agcgcagggg aggcagaagt catgacaggc gaggtgggtt ctgaggttca  
120cctagaaatc aatgaccaa acgtcatttc acaaggaggaa gcagatagtc cttcagatag  
180tggacagggc agctatgaaa caattggacc cttgagtga ggagattcag atgaagagat  
240atttgtaagt aagaagttga aaaacaggaa ggttctacaa gacagtgatt ccgaaacaga  
300ggacacaaat gtctctccag agaaaactac ctatgacagt gccgaggagg aaaataaaga  
360gaattttatat gctgggaaaa atacaaaaat caaaaggatt tacaaaactg t  
411

<210> 2395<211> 406<212> DNA<213> Homo sapien  
gctgggctgg agacggcggg agccgctgct ctccggctga gggaatcaga gacagctccg  
60tccctagtgg agcgcagggg aggcagaagt catgacaggc gaggtgggtt ctgaggttca  
120cctagaaatc aatgaccaa acgtcatttc acaaggaggaa gcagatagtc cttcagatag  
180tggacagggc agctatgaaa caattggacc cttgagtga ggagattcag atgaagagat  
240atttgtaagt aagaagttga aaaacaggaa ggttctacaa gacagtgatt ccgaaacaga  
300ggacacaaat gtctctccag agaaaactac ctatgacagt gccgaggagg aaaataaaga  
360gaattttatat gctgggaaaa atacaaaaat caaaaggatt tacaaa  
406

<210> 2396<211> 415<212> DNA<213> Homo sapien  
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60tgggggtgtgc tgggggttgg accctagcgc cttccctca cctcaaccag agaagagcat  
120ccgggtgctt tttaaagctt ttagcctgcc cttagcaaggaa caaagcatgt tagattaaag  
180atgcttctgc tgatcgcaag ggttcttatt tgaaaacatc tataatggg gaggtgtggg  
240aggattcttt caaggacctg cacagcctcc tgatggagat ccaggctctg cgcttgcaac  
300tagaaaggag catcgaaacc agcagcactc tgcatagcag gtcgaaggaa caactggcaa  
360gggggtgcaga gaaggcacag gaaggagccc tcaactctggc tgtccaagcc gagcg  
415

<210> 2397<211> 407<212> DNA<213> Homo sapien  
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60tgctctggct cccgcgtgc gtcgcggccc acggcttccg tatccatgat tatttgtact  
120ttcaagtgtc ggtcctggg gacattcgat acatcttcac agccacacct gccaaaggat  
180ttgggtgtat ctttcacaca aggtatgagc agattcacct tgtccccgct gaacctccag  
240aggcctgcgg ggaactcagc aacggtttct tcatccagga ccagattgct ctgggtggaga  
300gggggggctg ctccttctc tccaagactc ggggtgtcca ggagcacggc gggcgggcgg  
360tgatcatctc tgacaacgca gttgacaatg acagcttcta cgtggag  
407

<210> 2398<211> 409<212> DNA<213> Homo sapien  
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60gtaccgcgc ccattcgtcc tggcgtccg gatgagtaa tgaggggcag ggcccaggga  
120gtggtcttcc caagaacccc tggtgccctc ccaaggccgg tgctgtgtac ctctccccg  
180acaaaagggg aaactgaggc cccgagggga gtgggaagag ccggctggac gtcaggccca  
240gccgctgggt cagtggctcc tccctctgc cgggggtggc cctcgggtt tcgcgtgtcc  
300tcgggaaaga gactggcggc accctgatct gcactccctg aggggctccc actgtccgcg  
360gtgtgaggat gtccttgat agtccactgt gtgcagaggc atgggagtn  
409

<210> 2399<211> 410<212> DNA<213> Homo sapien  
ggcacgaggc agacatgatg aagtacattg agacagagct aaagaagagg aaagggatcg

60tggaacatga ggaacagaaa gttaagccaa agaatgcaga ggactgtctt tatgaacttc  
120cagaaaacat ccggtgtttcc tcagcaaaga agaccgagga gatgctttcc aaccagatgc  
180tgagtggcat tcctgaggtg gacctgggca tcgatgctaa aataaaaaat atcattttcca  
240cggaggatgc caaggcccgt ctgctggcag agcagcagaa caagaagaaa gacagcagga  
300cctccttcgt gcctaccaac atggctgtga attatgtgca gcacaacaga ttttatcatg  
360aggagctcaa cgcgcccata cggagaaaca aagaagatgc ccaggccccg

410

&lt;210&gt; 2400&lt;211&gt; 412&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg gtgttcgttt ctcaggtaaa acatggctaa aagcttacgg agtaagtgga  
60aaagaaagat gcgtgctgaa aagagaaaaa agaatgcccc aaaggaggcc agcaggctta  
120aaagtattct caaactagac ggtgatgttt taatgaaaga tgttcaagag atagcaactg  
180tggtggtacc caaacccaaa cattgccaag agaaaatgca atgtgaggta aaagatgaaa  
240aagatgacat gaaaatggag actgatatta agagaaacaa aaagactctt ctagaccagc  
300atggacagta cccaatatgg atgaaccaa ggcaaagaaa aaggctgaag gcaaagcgag  
360agaaaagaaa ggggaaaagc aaagcataag cagtgaaggt ggcaaagggg tt

412

&lt;210&gt; 2401&lt;211&gt; 405&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagtg gccctggagg cggcgggagg gccgccggag gaaacgctgt cactgtggaa  
60acgggagcaa gtcggctga aggccacgt cgtagaccgg gacaccgagg cgtggcagcg  
120agaccccgcc ttctcgggtc tgcagagggg cgggggctt gacgtgtcct tcgtgaaagg  
180ggacagtgtc cgcgcttgtg cttccctggg ggtgctcagc ttccctgagc tcgaggctct  
240tcttgtggat ggaaacgggg tactccacca ccgaggcttt ggggtggcct gccaccttgg  
300cgtccttaca gacctgccgt gtgttggggg ggccaagaaa cttctgcagg tggatgggct  
360ggagaacaac gccctgcaca aggagaagat ccgactcctg cagac

405

&lt;210&gt; 2402&lt;211&gt; 421&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg aaaccaattt actggattgt agctggtaaa gcccttgatt atgaacagat  
60gctgcttctc atggctaatt cgaaatggga tgtaaaagaa attatgtcac agcacaacat  
120atatgtagat gcactattaa aggaatttga gcagtttaac aggaggctaa atgaagtctc  
180taagagagtt cgcataccct tgcctgtgtc taatatactt tgggaacatt gtatacgatt  
240ggctaatacga actattgtag aaggatatgc caatgtcaag aatgcagta atgagggctg  
300tgccctgatg caattggatt ttcaacagtt tttaatgaaa cttgaaaaac taacagatat  
360tagaccatt cctgataaag aatttgtaga aacttatatt anagcttatt acctaaactga

420g

421

&lt;210&gt; 2403&lt;211&gt; 408&lt;212&gt; DNA&lt;213&gt; Homo sapien

ccatcgattc gaattccgtt gctgtcgaga gaagccatga ataataacc agctggtttt  
60agagaaggca tcaactcgtg aggaaaaggc ttagtttctg gatttgtag tggcataaca  
120ggaattgtta caaaaccaat caaaggagct caaaaaggag gagcagctgg tttcttttaa  
180ggtgttggga aaggttttagt aggagcggta gcaaggccaa ctggaggcat catagacatg  
240gctagcagta catttcaggg gataaaaaga gctacagaga cttctgaagt ggagagtctg  
300cgacctctc ggttcttcaa tgaagatgga gttatcagac cgtacagggt gagggatggg  
360actggaaatc aaatgttaca ggtcatggaa aatggaagat ttgcaaa

408

&lt;210&gt; 2404&lt;211&gt; 411&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagca tggctttccc tgagccaaag ccgcggcctc cagagctgcc gcagaaacgg  
60ttgaagacgc tggactgcgg gcagggggca gtgcgagccg tacgatttaa tgtggatggc  
120aattactgcc tgacgtgcgg cagtgaacag acgtgaagc tgtggaaccc gcttcggggg  
180acgtgctgc ggacgtacag cggccacggc tacgaggtgc tggatgcggc cggctccttt  
240gacaacagta gtctctgctc cggcggcggg gacaaggcgg tggttctgtg ggatgtggca  
300tcagggcagg tcgtgcgcaa attccggggc cacgcaggga aggtgaacac ggtgcagttt  
360aatgaagagg ccacagttat cctgtccggc tctattgatt ccagtatccg c

411

&lt;210&gt; 2405&lt;211&gt; 397&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga gagagagaga gagagagaga gagatatgag agagagagag agagagagag  
60agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag

120agagagcgcg cgcgcgcgct ctctagagtg tgttttctct ctcccgtca tttacgcccc  
180cccccgcg gcaccccccc cggggggggg gggccctctc tttctctgg ggggagtttc  
240tgcgacacac cagcgagag tctctgtttt ttttttgac gcgctctgc cctctgtct  
300ctctctctt tctctctctc tcgcgcgct gggagactct ctttgcgcg ccttttctc  
360atgtgtctat gtgttgcg gctatattat agagctc  
397

<210> 2406<211> 402<212> DNA<213> Homo sapien  
ggcacgagca ggagttcaag accagcctgg ccaacgtggc aaaaccctgt ctctactaaa  
60ggtagacaaaa ttagctgggt gtggtggtgc acacctgtaa tcccagccac ttgggagact  
120gaggcaggag aatcacgtga acatgggagg cggaggttgc ggtgagctga gatcacgcca  
180ttgtacgcca gcttgggcaa cagagcaaga ctccagctca aaaaaaaaaa gagggggaaa  
240tttttgtgaa ggggtttttt ttttttcgaa aaaaatgttt gggggacctt ccgagagctc  
300acaaattttg atgaacgtta aaaagcctag tttagggcgg ggcggggggg ttatgcgcat  
360gtccccaccc tttttggagg ccaagggggg ggaaccacc ca  
402

<210> 2407<211> 390<212> DNA<213> Homo sapien  
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60gggtgcagtg agttggggtc tcgccactgc actctagcct gtagtgcaga gcgagactct  
120gtctcaaaaa aaaataaatg aataaaaaat aaaacagcaa ctcttgacaga tttcccgaat  
180gtattggtcc cagagaacac tgaaaataat gtcattgtgt taacaccagt gggagtttgg  
240gaaataattc cagctcttta atacttcttt cagcttcaga ttaagtgaat tgagtttcac  
300atattttcaat atatgaaatt ttatgatgac acataaaaca ggccaggggt tattgaggac  
360acatctgtga gatagtgggc aatgctactg  
390

<210> 2408<211> 392<212> DNA<213> Homo sapien  
ggcacgagaa ggtacattcc aggggttctgg ggaaagaatt ttaaaatgcc atcctcta  
60acagagcttt ataaaactta aatgaaatga ttgggcttaa ccatatgcaa gaaagtctgc  
120agaaaaataaa tcacctagaa actataaata gaaatgtgct gctgaggctg ggcacggtgg  
180ctcacacctg taatcccagc acttgggggg ctaagggagg cgtatcacct gaggtcagga  
240gtttgagaca agcctggtca acatggtgaa acgcccgtct tactaacaat acaaaaaaaaa  
300ttaccacaggt acattggcac atgcttttaa tcccagctaa tcaggaggct gaggcacgag  
360aattgctcga acccaggcgg cagagcttgc an  
392

<210> 2409<211> 385<212> DNA<213> Homo sapien  
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60cagagggcacc tgaaaaatga actggggaac cacactgact tccccccct tcttgattaa  
120aacaacaac attgcgaaaa gtcaacctgt cactctttag gaaagtttgc ggcattgaaa  
180ggcaattacc caaatgactt tttaaaagta tgaaaatttg cctggctgaa cgttttttac  
240ttaatgccgt gagttaacat taataactat tcttagctta gtgagctggg cttgaggggg  
300gattaggaaa catttggtat ctctggcagg gacagatgtt gacctggacg gtcggcggct  
360tttacaaccc taaggactat agggg  
385

<210> 2410<211> 404<212> DNA<213> Homo sapien  
ggcacgagaa taagagcagt atccttagct ctagccaagc atttttctaa ttcctgcctt  
60tggtcacaaa gaaggaatag cagagctgtg aatgagttag tggaggctag tcacatcaca  
120gttcatgacc tagcgattgc tgggtgaagta atattggaat tttggtacca tgagaagact  
180tataaaggat ttcacagaa gttttcattt tttctaaatc ctcccctact caattttcac  
240attggaaatt actcttgat ttgtagaaga ttgtctctaa aattgtgggt taactcacgc  
300aggaagtaag attcctatag caagacatag tttcatttta gaggaccccc aaaatcccg  
360gaattctctg gtgatgattc tagcctaacc ttcaacataa aata  
404

<210> 2411<211> 403<212> DNA<213> Homo sapien  
ggcacgaggt gtgatttttc agaattccca gattttactc attcttggtta ttaaactcta  
60gccagttgac atcttcgcaa tttcaaggac tgatagtgtg gtattttctc acgttttcta  
120agtttccgtt ttgcaaggcc taggtgactt tttcatgggt tttgtatgtt tagctctttt  
180gaaaaggaa tttgaaatct ccatcaactg aagtaaatga tgtctgagtg ttacagtaaa

240ggtgaccaag tctcttttctt aaagtcacaa tgactaaagt attagttgaa tttttttttt  
300tttttttgagg gagcctcgct ttgtccccag gctggagggc agaaccacaa tcacggctca  
360ctgcaatctt tgctccccgg tttcaaggga ttctgctgtc taa

403

&lt;210&gt; 2412&lt;211&gt; 386&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg gcatttgtga gaaagatgtc cttttcataa tatatgcagt atattccaga  
60tggttttgaga gattacagaa taggaggcct gctccacttg cagataagtt tattataatt  
120ctccagaaat gtgcaggatg tgcattagca aattgcaactg tacttttcac tccagcctgg  
180gggacagagc aagactcccc tctcggggggc ttaaaaaaaaa aaaaatgctg tttctaaagg  
240aatctgagta tcttggggccc aaatgtgggt ttgctccaat ttatttaaaa agggcttggt  
300tcaaacgaat agggggcccta taggcaaacg ccttatatatt tttaaaacga attttctgga  
360gtgggttttc attttaaata agaact

386

&lt;210&gt; 2413&lt;211&gt; 404&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgctgctgtc ggactttgca agatttttta aaaataaaag gaggtatacc acctccttgc  
60ttgggtatctt ttacaaaatg ttatacttta tggatataaa ggtgataaag attggaaata  
120aatctttctaa atatgtaaaa tgaaagcaac agcaacagca aacacaatta tcgtattctt  
180tgggagtaac aaatactgggt tttcatttta aaactaagga aaattttatc agtacttaaa  
240ttcaatccaa aaaagggtttt ataacacca aactgtacat ttaaaattat gctttcttaa  
300ggtaatggct agcattacct agttttagt tttcttgagc tgtaactttt tataactgaa  
360tcatttcagt gatttagggc tgtctcgtag ttggggaaga gaaa

404

&lt;210&gt; 2414&lt;211&gt; 388&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gaacatggga agcactgcag tttagtagtc ctgggtcccta agcccttcca  
60gcccaggagc cagacctgtg agcaaacaag cttttagtga ttccaggctc tggctggaac  
120cttgagtctt ctacagcttg ggcatgcacc tcagggggag ccagcatcag tgtccagccc  
180caagagcttc cctgtacgtc tcagttagtc ttcacatgcc tccaactgcc tggacaacca  
240cacgtgatac ctgtcctgcc aaacgtgtcc tgaaccata aaatccagag aaaagaaaat  
300cgttttaaac tgctgaggtt tggggtaagt tactatgaag cagtagtgag aagaacagaa  
360gggcatgat ggggagaaag tttggccc

388

&lt;210&gt; 2415&lt;211&gt; 389&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gctaaacgca gataacgtaa gagtaacaag aaactaaatc aaggagcatt  
60atatagccta cactgcagag actcaatata ataaagggtg cgattcttcc taattatcag  
120atttactgca attccagcca aaatgtttca ggggattttt ttgttcgttg ttattgcttt  
180tggtttgccc tttagcttca caggtttggt ctgaaattta tgaggaataa attcttacga  
240gcagcacgaa aaatttcgaa tctatttgta gaaactgcat atgatgatgg ttcatactca  
300gagagagaaa gattggattt ggtgggtatta ctagaagttc agggactcac taatagtcag  
360gcgagtgcac aattaaatca cattgaact

389

&lt;210&gt; 2416&lt;211&gt; 398&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagag ggaatcccc caactcataa attataaaaa tgacacttcc aagccatcaa  
60tgaagggaagt gtcatcatta aagtggtagt gcaatataac aaagtgttta caaacaacaa  
120accatccaac atacccccaa atgctccttt ttgggttgta tacagtttga aaaaagccta  
180cagtttagcta tcaattcctt acagcaatga agtactaagc taaacaatgc attcagaaat  
240ttcttaggcc aaatcctgac agtatacca ctacgagttg gtaaacactg tttttaatcc  
300tgctgaagaa gagaaacgag aacaccaagt aaaacttact ataaactaca aatatttcaa  
360tatttacact caatatgagt tcgacacagt agtataan

398

&lt;210&gt; 2417&lt;211&gt; 388&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg gcacttgccc atctcttatt tctctacaat aaggaatact tcacccctat  
60ttgtaattcc taaaactaga cttaaatttta tgtacatatg tattcattca tttctttatt  
120ttagttttgtt gatttaagaa tattcccaca agttaaacaa tgaaagtgat agttatatta  
180cagatatgaa tgactaatta ttcttgcccc ccacctacat cattttcccc ccagcttaat  
240ggagggtttta ttgacaaaaca aaaattatat atacttgcac ccagtcataa aaaagaatga  
300gatcatgtcc cttgcagggc catggatgga gctggaggcc attatcctta gcagactaac

360acaggaacag aaaaccaaact actgcatg

388

<210> 2418<211> 387<212> DNA<213> Homo sapien

cgttgctgctc ggggtgaact ttttatacta tactttttaca gatagaaatg aaagtactta  
60gtaataattg aacatatgta cagtaaaaaat attatagctg ttgtttttaa ataattgtat  
120taaattgaaa cttaagttag tcttcaggct ttttaagggt ttcaaatttg aactggaatg  
180caattcagaa tgtgctagaa taacatttct ccatttctcc agtgctcaaga tgggaaggca  
240tacattctaa gcgtctgtat ctccatctat ttttcttttt tttttttttt ttgaaaaaa  
300aaattttgtt tttgcaccca ggctgggggg gcgggggttta attctggctt cttgaaaaat  
360ccggcctcca gggttaaacc ttttctt

387

<210> 2419<211> 385<212> DNA<213> Homo sapien

tcaattcggc acgaggtccc ttgttgccat tctgaatctg aatgctcttg tggctggaca  
60actggactca gctaataagg catttctgat gcttttgtgt tcttatgcaa ggatggacct  
120tttccagcat tgtaaatgac agcaggaaat actcaatggg ccacaggaaa taattaacat  
180catctgggat agactgactc acaagttaaa agtaaggact ttaaaatctg acctgggaat  
240taaatctagt tctaacatat gttgattctg tggattagac gagtttctta gtccctctga  
300gtcccacttc tctcactgag ttgttgtaga ggtgaaatga gaacatgttt gctattagct  
360aagcatagtc tttggctagt agaga

385

<210> 2420<211> 389<212> DNA<213> Homo sapien

ggcacgagct tgaacttctg accccaaatg atctgectgc cttggcctcc caaagtgttg  
60ggattacagg cgtgagccac tgcgcccagc cttgaggtag catactttct gaaataaaaa  
120agtagattat gtccgaagca gttgacctaa aaactgcctt ggactgacat ttgttaggtg  
180gtctaagatg ttctcttcac gctttgcaa aaaatgagct tttttggagt ttaattaag  
240catccctctg gtgtgttttg ttttttagcc accaaaaatt taacaaattt gataacctgt  
300cacgtgtaag ttcagaaagc actttggctt taattggtga cttgggggtt atttgggtata  
360aatataggat ctttttctaa aaattattg

389

<210> 2421<211> 161<212> DNA<213> Homo sapien

gaatgttccg gtcggctctc agcataagct gaaatatatg catgtaaaaa ctttgacatc  
60ttttttttta attttccact ttcttcttaa ctttacttct ctttttgtcc cccccccat  
120cttaccaggt tgaggccaag ggagaatggt aggcacacaa c

161

<210> 2422<211> 397<212> DNA<213> Homo sapien

ggcacgagat aggggccctc tgagaagatg gaatggtgaa ggctgcgagt agtttgtgga  
60tatatcagtc atatcttggc ataatccaac agcgtactaa tggatcaagg gactattttc  
120aaggctgagc aggtttaagg aaacatcta ggtgaaacat ctaagggcta gctagcaata  
180ggagagccat tatcactctt tttttttttt tggcagggga atttccggg accttttatt  
240ggccttttgg gcaaacggaa cgggaccggt aaaaaccca ttggactttc caaaaatggg  
300caaagaattt ccctaaaaaa aatcttcttt ccaaggtttt ttaaatgggg ggccccctaa  
360aattataccc tttttttaat taaaaagcgt tcacttt

397

<210> 2423<211> 404<212> DNA<213> Homo sapien

cgctgctgct gcttttaata tggaatccac ctcataacaa ttaagtctaa atttctggaa  
60gatggagcca tgcttgggtt tccaaaagct ctttgagtga ttctaatttg tagtcagagt  
120tgaagaccac tgctctaaat tagtgcagga aaatgctttt atttctccca tgtaacttt  
180taaaactagt aatgtaccca gttaagtttt gatggtttaa attccactaa agaacatatt  
240cttctaataa ctagcattta ttacatgaaa ttaagagtt taagttccat caaactagcc  
300cttgtgtaag attattattt ctctctata acttcaaaat agatatttca ttcaaactgt  
360tcagggtgaga aaacataatg gatttttttt ttttctctct ggag

404

<210> 2424<211> 399<212> DNA<213> Homo sapien

ggcacggagg agagagagag agagagagag tgagagagag agagagagag agagagagag  
60agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag  
120agagagagag agatagagag agagagagag agagagagag agagagacac acctctctct

180ctctccccct ctctgtgtct atatcgcgcg cgcaccccc tgtgtgtgtg tgtgtcttcc  
240ccctgcgaca ctctctgtgt gctctctctc tcacacactt ccccccccc cactcttttt  
300ttttttttta tacgtgttct ctttctcaat aatatatcct ttgtctgtgt gtctctctct  
360ctccagacag cgctctctct cttttttaca caccctccg  
399

<210> 2425<211> 389<212> DNA<213> Homo sapien  
cgttgctgtc gatttttctc atcagcagga tgggggtgatg gagctggcct tactgggtgc  
60tggggatgat ataaagaggt ggcgtgtgca tgtctgtgtg tctgtgtgtg ggcgaacatg  
120ttttggtaagt gataggctct gcacacgtgc acggcaccat catggttccc tccctgcagc  
180acttggcacg cagtgggggc tcagagcaca ggcgactga tggcctgggg ttgcagccct  
240gctccgtgtg tccctgggca cttgcttact gaccaccca caggtgaaca cgggcaggtg  
300ggtgttttga ggtgtgaggc tgaggagggt ctggatcttg cagctcttgc agcctggata  
360gttatgggggt ctggaggggg cttttattg  
389

<210> 2426<211> 387<212> DNA<213> Homo sapien  
cgttgctgtc ggagacctgt aatctcagct actcgggagg ctgagggagg agagaggctt  
60gagcccagga gctggaggtt gcagtgagcc gagattgcgc cactgcactc cagcctgggc  
120gactgagtg agcggaaactc tgtctccaaa aaaaaaaaa aggggttttt taaaataac  
180cacttttgggt aagggtaggg gaaggttaagg ggggccaaa aacaactttg ttttttaaa  
240tataggcggg aagggaaaaa aatggaattt cttgttttt tcccaaaaa gacaaccccc  
300caatttggca gggctaaaaa ccattccgc ctttgga aaagaaaac ttcaactttg  
360ggtttttttt ggaaccaggg aaacccg  
387

<210> 2427<211> 385<212> DNA<213> Homo sapien  
cgttgctgtc gaaaaaaagg gggagttcat tgttgagrat gaatttaaag taaccagact  
60gcctttttgtc cagtggctgt cagtaattta cttcagcagg ctttttttt ttttgggggt  
120ggtccaataa aaacagaacc tttttggaag aaaggccctt ccagggggga ggcacccgga  
180aaagggggga acctctttaa ggaacccaac ccaaaaggaa acctggcccg ggaatttacc  
240cataagaaaa acggtgaagg ggttttgttt acttttaaaa cgcacacac acaccacac  
300accacacac acacacacat tttttctat actcttaaaa aaccgtagag ttttaacaat  
360ccgggggggag gggatttaat aatat  
385

<210> 2428<211> 387<212> DNA<213> Homo sapien  
ggcacgagcc ctttgagatt tctggctttt tgtagggacc tcagttccat tttcccaact  
60catgggttct caatacctta actatctttt atttggcaaa ttccaagtcc tcaactcacc  
120caccactacc tgaccactg gagtcaccac accaccctac ccactttccc agggatgctt  
180tatgattagc ttaaatactc accattctga tttgtaatgc cgtcccccacc ccttttttt  
240gacacctggg agtttccctt tctttcttgt aagatcagca ttacacaaac aagcacatth  
300ttcttattat actttatcta gaaaacccag gtgtcagtg cagaagcatt cctgaattta  
360tgtagatcat tgttttgcg gaactgc  
387

<210> 2429<211> 388<212> DNA<213> Homo sapien  
ggcacgagga aagggtcttc tgttccctcac actcagcttc agcataagct gtgaggccag  
60aaaaaaggct agctcttcta gtatcgtgca gtgcttaaaa accgggagct ccagccgggc  
120gcagtgggtc atgccagtaa tcccagcact ttcggaggcc gaggtgggag gattgcttga  
180ggccaggagt tcaagaccag cctgggcaac acagcgagat cctgtctttg taaaaaact  
240aaccatcctg acccgccagt gctcttggtc tctgagtggt acccaggtcc tcccaagtgc  
300ggtgtgcacc gagcgcgcct ggcctgatgc cctggcctgt gagctgggga ctctgggccc  
360ctgtgagccc ctatcgcgca ggcccagg  
388

<210> 2430<211> 390<212> DNA<213> Homo sapien  
ggcacgagag atattttatc tcctttatth gggacgcttg tttcttcagc tcagtttaac  
60tactgctttg acgtggactg gctcgtaaaa cagtatccac cagagttcag gaagaagcca  
120atcctgcttg tgcattggtga taagcgagag gctaaggctc acctccatgc ccaggccaag  
180ccttacgaga acatctctct ctgccaggaa aatgatgctg ctgctctatg aagaaggcct  
240ccgggttgct atacacacct ccaacctcat ccattgctgac tggcaccaga aaactcaagg



300aatatggttg agcccccttat acccacgaat tgctgatgga acccacaaat ctggagagtc  
360gccaaactct tttaaagctg atctcatcag  
390

<210> 2431<211> 395<212> DNA<213> Homo sapien

gaaaaacagt agccctccta ccctgccttt accccacttt ccttgccetca cagtagtctg  
60tgccaaactct tggctgattt gtttgattt accctcatgt ctcaatatga acatgttttc  
120atgactattc cttgatgggt ttttgtttgc ttgttttaag acggtctcac tcttccccag  
180gcgggagtg aatggcacaa tcatggctca ctgcagcctc aaccttctcg ggctcgggtg  
240attctccac ctacgcctcc tgagtggcta gaaatgctgg tgcacaccac catgcctagc  
300tagtttttgt attttttcta gagacagggt ttgccatgt tgcccaagct ggtcttgaac  
360tccggggctc aagtgatctg cccgcctcgg cctgg  
395

<210> 2432<211> 390<212> DNA<213> Homo sapien

gcagccctgg ccctgcggca cgccttcacc tacaaggtct atgctgacaa gaggctggac  
60gcacaaggag ctctgtgtc ctaagcaacc aagaggaagc atcgaagggt cagcatcact  
120gggtctctgtc gccatctccc ctccacctca taccctgtgc aatagctggg gatgtgcact  
180agccctcccc gccaccagaa gccctaagggt gttgaaagca gaacccatt ttttagaca  
240ccccctcgcca aaaaacatag tccaggatac actttattct ctgtggaaaa agaaagaatt  
300tgactttatt tagaaaggct actgaatata gaagacgata actcgttgc tgtaagtcag  
360gaaataaata gattctagga gccgggcaan  
390

<210> 2433<211> 388<212> DNA<213> Homo sapien

cgttgctgtc ggtgtttcat aacattttta taagtgtgt aaactttagt cccattatat  
60acttttgggg acagtgttat aatcagaat ttacgacag ttgcagaac actgatttga  
120aagcttcccta tgcaaaatga gaagggttc aaatatatta attatcatta agtattaaat  
180aataggcatt agatgtctaa tgtgagtata attcatcca agccatctca gaaagtctaa  
240aaggttggca gggggctcagc tgaagacctc actggagtgg gtcttaattt taaaaagtg  
300tctcactaca cttaagacat gtgacacatt cccattggta acaattgtc accatggcat  
360tgtctcaaaa aagactatgg tggggagg  
388

<210> 2434<211> 391<212> DNA<213> Homo sapien

cgttgctgtc gcaggagagc cgctggaagc agtacctgga ggacgagagg atcgcgcttt  
60tcctgcagaa cgaggagttc atgaaggagc tgcaacggaa ccgcgacttc ctctcgtc  
120tgagagagaga tcgattgaaa tacgaatccc agaaatctaa atccagcagc gtggctgtgc  
180gaaacgactt tggcttttcc tctcctgtcc caggaactgg cgacgccaac cccgctgtgt  
240ctgaagatgc cttattcagg gacaagctga aacacatggg aaagtccacc cggaggaaac  
300tgtttgaact tgcccagagc ttctcagaga agacaaaat gaggaagtca aagaggaaac  
360acttggtgaa gcattcagtcg ctgggggctg c  
391

<210> 2435<211> 404<212> DNA<213> Homo sapien

cgttgctgtc gcttttttcc attgtagaaa ttatgtatat cacatctcta atgggggtgg  
60ttttcaaagt tatttgaaca tttccagtgg tagggagctc ctgctttaca aggcaacct  
120tatatttttc aaaaactctt aagtcttaca aagtattctc ataagaacag ccctaatttc  
180ttctttccac cactttgtaa acagtaatat actttaaact gtgtaacatt tagcaacttg  
240tagctctgca tgcagtaaaa ttcaacattt tctgaattaa ttttactgt gttatgctga  
300cttcatgtat tttattttca tgggctgggt taaaaatagc agaatggaaa gatgaaagaa  
360aagattagta catgcaaact atagaagttt aggtagcaac ccag  
404

<210> 2436<211> 393<212> DNA<213> Homo sapien

cgttgctgtc gagaaaagg gctctgctga cctgccacct tcgctgtgat gagtttctgt  
60gtacgagga cagcgaggca cggtttgat gaggacaaga tgtttgttac cctacaacca  
120gggagggtgt cgggtgacac cctgggctca gaccccgcg ctagcaccgc tctccaccg  
180tgggctgcca cagaagctac aaggcaccgg gtcaaggcca agcaaatgaa acacgtaatg  
240atagctctgt ctttctaatt tccccctatt agaagaaaga acgtgaaata attctttatg  
300ggctcagtc ctaccgtgtg gggcagacct gctctgggtg atgaaagcag tttccctgcc  
360tcccttcagg aagtagagaa gccgggtgcc tgg

393

<210> 2437<211> 389<212> DNA<213> Homo sapien  
cggttgctgtc gtttagacgc atcacgattt tgccccgatt cccaacgtgg agaaaccaac  
60ggggaaagag acggagacca acgagaacca tctcactggg agaggcgatg ctgtttgaca  
120catcgtccct gtaccttcca aagccactgt cctcccacac ctgggcaaca gtggcctcaa  
180ccccaggccc agccctcctg caggaaggaa gaggactgaa tggagggcgt ggcaggatga  
240aaggacgtgg cctcctcaaa cccattggta aagggcctct ggggccacct ggctaagagg  
300ggctggcaca ccaagaagtg gcctcctccc gggagttgag ccagagccca ggtgctgtcc  
360ccaagtggac tccagagcca ccttttcag

389

<210> 2438<211> 387<212> DNA<213> Homo sapien  
cggttgctgtc ggtttcaaaag gatactgtca tgaagcagac acatgctgac acacctgttg  
60atcattgtct atctggcata agaaagtga gcagcacctt taagcttaaa agtgaagtca  
120acaagcatga aacagccctt gaaatgcaga atccaaattt gaacaataaa gaatgttggt  
180tcacctttac gttgaatgga aactccagaa aattagaccg tagtgtgttt acagcatatg  
240gtaaaccag cgagagtatc tactcagccc tgagtgttaa tgactatttc agtgaaagga  
300taaagaatca gtttaataag aacattattg tttatgaaga aaagacaata gatggacata  
360taaatttagg aatgcctctc aagtgcg

387

<210> 2439<211> 391<212> DNA<213> Homo sapien  
ggcacgagac taggcaagtt gctttggcat atatcattct cattaataaa acagacttgg  
60ttccagaaga agatgtaaag aaattaagaa cgacaattag atccataaat ggactaggac  
120aaatcttaca aacacaaaga tcaaggctca gcagctgata gactcagcaa caggcagcca  
180ggagctctga ggctcacagc tggcagtcta gtccactca gtctctactt gagaaattct  
240ttctttggaa gtacagcaga ggccttagag ctgatctctc taatgtatta gatcttcag  
300cctttgatag tctctctgga ataagtttgc agaaaaaac ttcagcatgt gccaggaaca  
360caacctcacc ttgatcagag tattgttaca a

391

<210> 2440<211> 402<212> DNA<213> Homo sapien  
ggcacgaggc tactaagatg ggaaaaacta tcacgacagt ggcaccacct gatttcatga  
60tgtaccatat gcagtaacac atgtttgagg tacagaattg aayctgattt ttctgcaaaa  
120gatgaatttc tataaacaat cccattttta tattttatta ttaaaacaaa aatacctctc  
180tttgctagag agtatatgta tgacttaaat tattagctat ggtttgcat tagtacatgg  
240cagattgcct gtaagtctgt tcattttaac aacatacggg gctgggcacg gtggctcacg  
300cctgtaatcc cagcactttg ggaggttgcg ggtggatcac ttgaggtcag gagttcgaga  
360ccagcctggc caacatggca aaaccccgctc tctatgaaaa at

402

<210> 2441<211> 387<212> DNA<213> Homo sapien  
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60ataaaattac atagtattac ctagacatag acagtattac ctaggtagat gcaactgtca  
120cctgcgccct tcccagctct cattttttgtt aggtgatttg ggatagggat agtgttttgg  
180ggatgagggg gagtgttctc tgccctgctt gcgtacgtgc atgcgcgcc ctgctggttg  
240gcgcggggcc cctgccttt ttcttgctcg tgccggacgg gaccggtag gcctcggagg  
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387

<210> 2442<211> 391<212> DNA<213> Homo sapien  
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120ccgcttcttg ctgccatgga agccaacagt ttccaccggc gggagacctg gcacagacct  
180actgtggaca gacctgaca gtgcctccac ctctgcagg cctccatggg ggctgcccc  
240ctcctcagcc tctgggctcc cgggcccggc cagatgggac agctccacag ggccctcgcc  
300cctgtctgtg gcaggattcc caaggccgcc cctgcctggc tctccacct tccccaggac  
360ctcttctctc tctgtctgtg ctccgacccc t

391

<210> 2443<211> 404<212> DNA<213> Homo sapien

ggcacgaggc tctactgggag gtgcagctct ttctcctctt cctctaggaa ttccagaccg  
60accatctacc atgactaaca acaatgaaca aagggcttag gggcaagagc tacctgcaaa  
120gacgtgtcat ggaacccttc accatgcaat gccttgaact cagctctggc tgctcccaag  
180aaaagggtggc tggctggggg cctggacaca agcacaatgg ggctgggtgga gccactgtgc  
240agagctactt gaataatcac tgggttttca tcaactcctt ttgtcataca gaccactcaa  
300gggctgaagt gttggttaacc ttcatttcgg tgccaaagcc tcacagcagg tgagccaccc  
360tgagatgctt gtggccacat ggtggccaca gtcagagctt tgaa  
404

<210> 2444<211> 395<212> DNA<213> Homo sapien

cgttgctgtc gcaagactgg acactggtaa cagtatgact aatatactg agaagctcga  
60agagattaag aaaaattata gatacaaaaa agatgagctt ttcaagagac taaaagttac  
120aactttttgcc cagctgatca tccaagttgc ttccctctct gatcaaacac tggaaagtac  
180agctgaggag attcaaaaggc tggaagacaa tgattctgca gtttcagacc ctgatgtgta  
240aaccactgcc aggaccaatg ggaaaggaaa tccaggtgag cagtcgccga gccctgagca  
300gttcataaac aacgcaggag cagggggactc cagccgtca actcttcaga gtgtcatcag  
360tggtgttggg gaactggatc tagacaaagg gccag  
395

<210> 2445<211> 393<212> DNA<213> Homo sapien

ggcacgagct aagactgctg tccctccgtt gagtgaagga gatgggtatt ctagtggaaa  
60tacatcgct gctcatacac cactcaacac acctgatcct tccaccaagc tgagcacaga  
120agctgacaca gacactccca agaaactaat gtttcgcaga ctgaaaatta taagtgaaaa  
180tagcatggac agtgcaatct ctgatgcaac cagtgaagca gaaggcaagg atggcaaga  
240ggatcttgat caattagaaa atgtccctgt agaggaagag gaagaattgc agtcacaaca  
300gctactccca caacagctgc ctgaatgcaa agttgatagt gaaaccaaca tagaagctag  
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393

<210> 2446<211> 404<212> DNA<213> Homo sapien

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60aagaaccgga agacgcagcc cctgtggccc cctccgtccc tgccctctggg taccctgagc  
120tgcccacacc caggagagag gtccagctctg aaagtgcaca ggagccaggt gcaggcccg  
180gaccccttgg ggtgagggct ggggcagggg agggctgggg gaccccgacc ttcatggcc  
240catagagggg gggggccagg gtgtggggac atttcgcagg cctgtcctcc taggaggggt  
300cagtccagcc gagggccaga gggcgtggtg ggttcttgag cccccaygag ccagggatgt  
360ggaggcgag ctgcggcggc tgcaggagga gaggacgtgc aagg  
404

<210> 2447<211> 402<212> DNA<213> Homo sapien

ggcacgagag gacgctact ttgagccact ggtgaaaaa gaacaaatgg aagaaaagat  
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120cttcaagctg ctggagacct gcgtcagtga gcagcatgaa taccactggc atgatggtgt  
180gaagaggttt ttcaaatgtc cctgtggaaa cagaagcatc tccttggaac gactcccgaa  
240caagcactgc agtaactgtg gcctctacaa atgggaacgg gacggaatgc taaaggaaaa  
300gactggtcca aagataggag gagaaactct gttaccaaga ggagaagaac atgctaaatt  
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402

<210> 2448<211> 392<212> DNA<213> Homo sapien

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60aggccgtga agggcaccgg atgccagga atcaccacct ggtaccagaa gcggtgccag  
120ccagcaggtc ctatgcccaa acatttggtg aggaacacag ggctgccag cttcattcgt  
180tggcacagca actgcagggt agcccagacc ccttggaaac ctaacttgtc ctttgccaaa  
240gccaactgtg tgccctctgg ctgtggggac cgcaagaagg gacccacaag ctgctggcga  
300agtcgctgt tcaggtctgg cttgagccac tccacagcca cctgctctcc acagaggtgt  
360gactgccctg taggaaaaat gcaagacaa gg  
392

<210> 2449<211> 402<212> DNA<213> Homo sapien

ggcacgagag aggccttaaa ctctggtgtt gagtactact gggaccagct gaacgagacg  
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120tggaggacag acagagacat ggggctgatg aatgccattg ggcttcagcc ccggaaccct  
180gccacctcag tgacatctca gggcacccag actctggccc ttcagctgca gaatgccgaa  
240acacagactg agagggaggt gccggagcca gggacagccg cctcaggtcc tggggaaggt  
300gagggttcag agtatgggtc cagtggagaa gatgcgctca gcaggatcca gaggctgatg  
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402

<210> 2450<211> 393<212> DNA<213> Homo sapien

catagttcct aaggcatgac cattctgtcc tgtggtacca ggctggacta agctcccatt  
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120tgagtcattg gaggagacat cccaaaggcg ccagctcccc tctgccctaa actgaaatta  
180agacctgggtg ctctgggtgg gggccctgga aagggtatgtg caactcatag gggaccttct  
240ccaccttcac ccaggagacc ccaggaggac catggcagag ccggagccct cttttttttt  
300ggtcgctttt tattttatta ttattatact tgaagtggta gccctctttt aaaaaccaa  
360tgagaatagg ccaaagaagc caatcgtctt tgg  
393

<210> 2451<211> 392<212> DNA<213> Homo sapien

ggcacgaggc cctgcgcatg ctgaaataac tggaaaccag cctctcctcc tacaccggcc  
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120tcggagggat cacgagacac agaacctgga ggggtgtgca cgctggcagg tggcctctgc  
180ggcaattgcc tcacctgag gacatcagca gtcagcctgc tcaaagcggg ggtgctggag  
240cgctgacaga cacagctctt ccggagcagc cttcaccttc tctctgggat cagtgtccgg  
300ctggccgacg tggcatttgc tgaccgaatg ctcatagagg ttgaccccca cagggtcacg  
360caggactcgg aactgcccct ggaaacatgg at  
392

<210> 2452<211> 404<212> DNA<213> Homo sapien

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120gtgcctctc ccatgaagag gataatcgca gcgagaccgc atcatctgga tatgttcag  
180tacagggaac agatgaaccg cctctggagg aacacgtgca gtcaacaaat gaaagtctac  
240agctggtaaa ccatgaagca tattctgtgg cagtggatgt tattectcat gttgacaacc  
300caacctttga agaagacgaa actcctaate aagagactgc tgttcgagaa attaatctt  
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404

<210> 2453<211> 394<212> DNA<213> Homo sapien

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60tggtgcatg cctgaaatgc cggaggacat ggagcacgag gaacttaaca tccctaatag  
120gaggggttctg gttactgggtg ccactgggct tcttggcaga gctgtacaca aagaatttca  
180gcagaataat tggcatgcag ttggctgtgg ttccataaga gcaagaccaa aatttgaaca  
240gggttaattct gtggattcta atgcagatca tcacatcatt catgattttc agattactga  
300cagccctgtc ctaggagcac aacgttcgag aaatgctcaa cttgactgct ccaaattgga  
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394

<210> 2454<211> 396<212> DNA<213> Homo sapien

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120cttttaaatca ttgtggttta ctctgagatt ctgtagtcct aatattgtat cattgtgctg  
180tctgcaaaac aacttgaatc tattttgttt gcattctttg ttacatgtaa cgcagctgta  
240ctttatgttc tttgcaactg tttccattat gagaacgctg tgctatttac aaggttacat  
300ttttcttggc caggcgaggt ggtcatgcct gtaatcccag cactttggga ggccaagggtg  
360ggcggtacac ttgaggtaaa gatttgagac cagcct  
396

<210> 2455<211> 393<212> DNA<213> Homo sapien

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120ttctgccttg tccatggcat aggccataga ccaggctcct gctgctcaca cctgggcctc  
180tcctcggagc cgacctctgg gtagcaaggc agccgagagc atctccttg aggggccccac

240ggttgggcca agggcagagg gggctgcacc tgcgggcctg ggaagcattg ctcaggggtg  
300ggggctggga ccatggcccg cagaggcact gccacagctg tgagggccaa gatgctgtcc  
360ccccatccaa aaccctgctg cactgcagt gag

393

<210> 2456<211> 392<212> DNA<213> Homo sapien

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120tgcacccaag accaaagaaa agaatacgaa gaaagtggat cacagggcgc ctggcgctga  
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240tcgccccaaag aagagccgct gttaccagca cccttttccc aagaaaagtc aattcccagg  
300tgcttatttg acatccttcg agggggaaga ggagggaagc ggccagctca cccttcggg  
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392

<210> 2457<211> 401<212> DNA<213> Homo sapien

gggacgaggt ccagcccgtc tgagcttcca gcctcccctg caggtggcag cgctcctgtt  
60ggcaagaaat tggagaccag cagaaggcct ccatctggaa ctccactac ctccaagagc  
120acctctccaa ccctcacgcc ctccccctca cccaaagggc aactgcaga gtccctcagt  
180tcttctctgt catcccatcg gcagtccaag agcagtgggg gctccagcag tggcaccatc  
240acagatgagg atgaactgac tggaaatcctt aagaaattat cacttgagaa atatcagccc  
300atttttgagg aacaagaggt ggacatggaa gcgttcctca cactgactga cggtgacttg  
360aaggagctgg gaattaagac agatgggtcc aggcagcaca t

401

<210> 2458<211> 403<212> DNA<213> Homo sapien

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120ttgcatcagc tactaaagaa tgagaaagat gaggtgcaaa aattacaaaa tatcattgca  
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240aaggaacgtc tacatcaact tgttatgaac aagaaagata agaaaatagc tatggacatt  
300ttgaattatg tcgggagagc tgatggaaaa agaggctcct ggaggactgg taaaactgaa  
360gccaggaatg aagatgaaat gtataaaatt ctcttgaatg att

403

<210> 2459<211> 399<212> DNA<213> Homo sapien

ggcacgagtg actattgaaa atgcttagaa tgaaaaaat gaaaattctg acctaaaaa  
60gcaaatcagt agtttgcaga tccaagtgc ttcacttgca cagtcagaga atgacttgct  
120gaattcaaac caaatgctga aggaaatggt ggagagatta aaacaagaat gccgaaat  
180tacaagccaa gctgaaaaag cgcaactaga agctgaaaag acattggaag agaaacagat  
240acagtgggtg gaagaaaagc ataagcttca tgagcgtatc acagacagag aagaaaagta  
300caatcaagct aaggagaaac tgcagcgagc tgcaattgcc cagaaaaaga gaaaatctct  
360tcatgaaaac aaattgaaaa gactacaaga gaaagtaca

399

<210> 2460<211> 397<212> DNA<213> Homo sapien

ccaggagac ggcaattcag tttaaacttc cactatacag acagcggtag cagttcggtta  
60aaaaatttagt ggatcaacat gagcctaaga agagttgcag acctgggatg tggtgatact  
120tcactcttaa ggctgctaaa agtcaatcca tgcattgaat tgcttggttg agtagatatt  
180aatgaggata aattacgatg gagaggggat tcgttagctc ctttcctggg ggattttctg  
240aaacctcggg atctgaattt gaccatcaca ttgtatcatg gctccgttgt ggagagagac  
300tctcgtttgc ttggatttga cttgataacg tgtattgaat taatagaaca tttggattca  
360ggtgatctgg ccagatttcc tgaagtggta tttgggg

397

<210> 2461<211> 386<212> DNA<213> Homo sapien

tgcgtttcca acagaaatta aggtcgatgt gtgcaaaaga gtaaattctgg acattactac  
60tttaatcaca tatgtatctg ccctcagcta tggaggctgc cactttattt tcaaagagaa  
120agtgtcaca gaacaagcag agcaagagag gaaagagcag gttctacctc agctggaggc  
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240tttagatacc ttangaggac ctggggagag agagagggcc actgtgttaa ttaagcgaat  
300taatgtggta ccagaccagc cttctgagcg tgccttgaga ctagtggcca gttcaaaaat

360taatagccgc tcattaacaa tttttg

386

<210> 2462<211> 392<212> DNA<213> Homo sapien

ggcacgagcg gtcgcggagc tgtggccagc tttgggaggg cggccccgg gatgctacac  
60acaacccagc tgtgcctatg cggacatcac gtcgccatc aagtttctgt ttgagcgtgt  
120ggagggcatc tccagggcta ccatcattga tcttgatgcc catcagggca atgggcatga  
180gcgagacttc atggacgaca agcgtgtgta catcatggat gtctacaacc gccacatcta  
240cccaggggac cgctttgcc aagcaggccat caggcggaag gtggagctgg agtggggcac  
300agaggatgat gagtacctgg ataaggtgga gaggaacatc aagaaatccc tccaggagca  
360cctgcccagc gtggtggtat acaatgcagg ca

392

<210> 2463<211> 385<212> DNA<213> Homo sapien

ttgagaagat cctcagcact cttgttaaag ggacacgcag acctgtgacc tgcaagattc  
60gcatcctgcc attgctgata ccctctccat tcctgtcata gccaacggag gatctcatga  
120ccacatccaa cagtattcgg acatagagga ctttcgacaa gccacggcag cctcttccgt  
180gatggtggcc cgagcagcca tgtggaaccc atctatcttc ctcaaggagg gtctgcggcc  
240cctggaggag gtcattgcaga aatacatcag atacgcggtg cagtatgaca accactacac  
300caacaccaag tactgcttgt gccagatgct acgagaacag ctggagtgc cccagggaag  
360gttgctccat gctgcccagt cttcn

385

<210> 2464<211> 386<212> DNA<213> Homo sapien

ggcacgaggc cggtttgcc cttctttgta tgagagtttc atccgcccgtg aaatcttccc  
60ggtcgtaaat aactcctcag gtccctgcct gcacagggtt ttttcttagt ttgttgccata  
120agagtacacc aaatgtgaca tcctttcacc aatatagatt acttcatacc acattgtcaa  
180ggaaaggact agaagaatth tttgatgacc caaaaaactg ggggcaagaa aaagtaaaat  
240ctggagcagc atggacctgt cagcaactaa ggaacaaaag taatgaagat ttacacaaac  
300tttggtatgt cttactgaaa gaaagaaaca tgcttctaac cctagagcag gaggccaagc  
360ggcagagatt gccaatgcc agtccn

386

<210> 2465<211> 391<212> DNA<213> Homo sapien

ggcacgaggc cggtttgcc cttctttgta tgagagtttc atccgcccgtg aaatcttccc  
60ggtcgtaaat aactcctcag gtccctgcct gcacagggtt ttttcttagt ttgttgccata  
120agagtacacc aaatgtgaca tcctttcacc aatatagatt acttcatacc acattgtcaa  
180ggaaaggact agaagaatth tttgatgacc caaaaaactg ggggcaagaa aaagtaaaat  
240ctggagcagc atggacctgt cagcaactaa ggaacaaaag taatgaagat ttacacaaac  
300tttggtatgt cttactgaaa gaaagaaaca tgcttctaac cctagagcag gaggccaagc  
360ggcagagatt gccaatgcc agtccagagc g

391

<210> 2466<211> 397<212> DNA<213> Homo sapien

ctccagaata ttattaagac tcttagggtt cctctcagtt tgaagtattc ctgcccttct  
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120gttgcccggc agcatgcttc ttctggaaaa ttgacagta tgtggccaga actagccaat  
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240tttcaaagaa atgaaaatat tgatgtcgag gtatgtcaac ttatcagcaa tgagatacta  
300ccttatgcc attttattcc taaggaatth gttggtcaaa taatgacaat gcttaacaag  
360ggctcaatac attctcagtc atcttcattt acagaag

397

<210> 2467<211> 397<212> DNA<213> Homo sapien

ggcacgagaa agctgggct gaatttccag aggaagatgc agaacaactc aagcatgtta  
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120atgctgaatt gattgaagat tatcgatca aacagcagca gcaatgtgca atggccccac  
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240ccatgagcca acccaccttt cccatggtgc cacagcagct tcagcagcag cagcacacaa  
300cagttatttc tggccatact agccctgtta gaatgcccag ttacctgga tggcaaccca  
360acagtgtcc tgcccacctg cccctcaatc ctactag

397

<210> 2468<211> 390<212> DNA<213> Homo sapien

ggcacgagggc agccttctcc actcttccct cccttggagt ttgcgccagt acctttgccc  
60tcaggcgagg aaggggaata tgtcctggca ctgaagcaag agctacgagg agccatgagg  
120cagctcccct acttcatccg gccagctgtc cccaagagag atgtggagcg ttattcagac  
180aaatatcaga tgtcaggtcc gattgacaat gccatcgatt ggaaccctga ttggcggcgt  
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300ctccccaaga ggccccctaa gaccacagaa gataaggagg aaacaatact gaaactagag  
360accctggaga agaaggaaga agaagtaacc  
390

<210> 2469<211> 387<212> DNA<213> Homo sapien

ggcacgagga tgactcttgc ctccattggt ggctcgtcgt ctctgtctaca actctggggc  
60ttcaagctgg actatgacag catggagcgg gaaattgctg agccactgtt tgacctgaaa  
120gtgggtatgg aacagctggt acagaatgcc accttccgct gcctcctggc taccctccta  
180gcgggtgggca acttctctca tggctcccag agcagcggct ttgagctgag ctacctggag  
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300ctagtgtctcc agaccggcc tgagtctct gacctctatt cagaaatccc tgccctgacc  
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387

<210> 2470<211> 383<212> DNA<213> Homo sapien

actaactttt tctaagagaa attgattcct gttttgtcat ctgatgcaat ttgctcttat  
60aaagagacat ttcataggt tcagagtaac tcacctccat gggctgacca aaggcttttc  
120taatttttgt tactgatgag atgaaacctt tttgtaagga gatcttcccc aggagcattt  
180ctgttgctt cttgacatca atgaaaagta gcatattctc ttatgaaata gcatgagaaa  
240acacagggca tttctaggac agtaaaacgt taaagtactg gattaagaaa acaacaacag  
300gctgggcgca gtggctcaca cctgtaatcc cagcactttg ggaggctgag gcgggtggat  
360cacctgaggt caggagtttg tga  
383

<210> 2471<211> 371<212> DNA<213> Homo sapien

cgttgctgtc ggtccgtttc ccatatattg agggataaag aaaattaagc ctgcctgtag  
60gcacgtctca aacttgggag actcagaata caacagagta tgggatacag ggaggaaaga  
120agagatgcag aaataaatta aaaacaagat ttgttttaaag aggaactgca acttctttaa  
180ttgggcagat tgaaccaata aaagcacagt tctctccctt cacctgttat ctttagtct  
240cttcaacttt cacattgctt cactcactct ctctctctcc ctttcacctg ctacacctac  
300ccaacttgaa ctgtgccctc tgatctgaca caggatgaca atgacagcag tcattaccta  
360gcagccattt t  
371

<210> 2472<211> 383<212> DNA<213> Homo sapien

ggcacgaggg cagaggttgc agtgagctga gatcatgcc a ctgtactcca gccaggcaa  
60cagagtacga ctgtctcaac aacaacagca acaacaacaa caacatcttt cacaaaagct  
120tatattcaagg aaaaacacaa agaaatttca caatgaatta aattaacagc cttggtagct  
180agggttaaaaa atttaaagca aagaataaaa agttgatacc aggttagcaa agacaaggta  
240aaaaaatagta ctaagacact tcaggacctt taaggatatt tgaagaggtt tcaatattta  
300gtatctaagg taaaaagagt tgatgcagta ttttcaggta aaggaaatcc ttgcaaaatc  
360agactgattt gataatatta ggg  
383

<210> 2473<211> 383<212> DNA<213> Homo sapien

ccacattcat cccagcctc gctgtacagc tattatgtgg ggatttgcca atcaataaat  
60caaggcacct gaaaaatgaa ctggggaacc acactgactt tccccccctt cttgattaaa  
120acaaacaaca ttgtgaaatg tcaacctgtc agtcgttttg aaagtttgcg gcatggaaag  
180gcaattaccc aaatgacttt ttaaaagtat gagaatttgc ctggctgaac gttttttaat  
240taatgccgtg agttaacatt aataactatt catagcttag tgagctgggc ttgaggtggg  
300tttaggaaac atttggatc tctggcaggg acagatgttg acctggccgg tcggcagctt  
360ttacaaacct aaggacttca ggg  
383

<210> 2474<211> 381<212> DNA<213> Homo sapien

tacggttgcg ataagactac agaagggtcg gcctcccaga gggctgggat tacaggcgtg

60tgccactgcg cccagccggn ccctgctttc atgtacctta gaattcagag gaaaaaagag  
120atattaaaca aataaatata caaatgaaca tacaatttca gtgagggtta agtgccatgc  
180aggtaaagaa ttaagggtcc tgtttcattt acttcttata tgccttgacc tgtccttcat  
240taattccaca aatacttact gaccttgca tggcaggctc tatgctgagc actgtgaata  
300cagaagtgc tcttgatatg gggattcgaa ctgcatggag ctacacaccgt ccaaccaga  
360ttgacataca taatagggtcc t

381

&lt;210&gt; 2475&lt;211&gt; 374&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt tactactgcc actcccagtg tgctgacct tcaaagttca gcaacacctg  
60ttaaagtcc tgcctcctggg gaattcggta accatagacc aaaaggggca ctaagacctg  
120gaaatggccc tgaaatttta ttgggtcagg gacctcctca gcagccgcca cagcagcata  
180gagtactcca gcaactacag caggagagatt ggagattaca gcaactccat ttacagcatc  
240gtcatcctca ccagcagcag cagcagcagc agcagcaaca gcaacagcag cagcagcaac  
300agcaacagca gcagcagcag cagcagcagc agcaccacca ccaccaccac caccacctac  
360ttgaagatgc ttag

374

&lt;210&gt; 2476&lt;211&gt; 381&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc gggccggtgg atcactcgag gtcagcatat tgagaccaac ctggccagca  
60tgggtgaaacc ctgtctctac taagaatata aaaagtaact gtgcgtggag gggggcgcc  
120gtaattccac ctattcggga ggctgaatca agagaatcac ttgaaccggg gaggcggagg  
180ttgcagagag catagaagga gccactgcac tctagcctgg atgacataat gaggtcagt  
240ctatcatggt aatagtagcc tgaacctatg tgaaatctaa gaacatataa cactaatttt  
300tcatagtata aattaaaaaa tggttgccta gcgctggaga ttccgggaag ggacacagat  
360tctctgtatt gatagactgg c

381

&lt;210&gt; 2477&lt;211&gt; 380&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt cctttccagc tttgggttca cagccttctg ttattcctgc tgtcaatttt  
60ttgtctttct actgtgcttt tcaaccttgg ttattcatgt atcaccttca tctgtcgat  
120tattaccatt taactgcagc aagtaaagac gttaatagt aggtttttgg gaatgtggta  
180aaaccgggag gtatatttga ctttgtccaa gttatctgat gaggcagatc agctaaagca  
240aaatacagtg ggttgcctcc tactatcact gggacctaga gatttcatct acatctctga  
300aaaatggggt ttctgtatga tagtatgggt gagaaggaat gacagcagaa ctatcaactg  
360ttttctgatt atcctgatga

380

&lt;210&gt; 2478&lt;211&gt; 374&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc gggagtccac aataaggggg cctcatgcac atgattgaca gagagccaca  
60gcggccttgc attgtttata acaccagaaa gggacaattt agaagtgcc tctctgctt  
120aacactaact ctctttaagc ctgatcacct ccacattct aatagggctt ccatgccgag  
180ttgttttcta gaatctttcc ttccattttt cagggaagcg tgaatgttgc tttaaatgca  
240gcgttttaat gtgggtataa gctttttatg tgacttaa at tacataaaca tttcagttgt  
300gtgaatata cctcttattt tctagatttt catgttttca tacagctcag gttttgatgt  
360attgttgtc ttt

374

&lt;210&gt; 2479&lt;211&gt; 373&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc gggataaatg gaaatttcaa cttatttcaa attttgcaca tattatgaaa  
60ccttattaat gtatttttat caaactaaat cagatttga tttgaattgt taggaaaaac  
120catgtgcagt tttggctgat aattgaagga aaaatatcaa atactttgaa tttttttct  
180cttttttcaa accctctgca gaggtaggaa ggtatgaatt tcttttttat gtcaagatgc  
240aaaaacaaat catgatgctt ttgttgggag aatttttgta ttcagtattt tgtatgtacc  
300ttttttttt ttaaattgga aagcccaatt aggttaaaca tttactttg cttgactcca  
360gtgtaaaatg aan

373

&lt;210&gt; 2480&lt;211&gt; 367&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt gactctagct tctggtagca gcccttcagt tcacctcct gccctgtc  
60gaacccccctg gacctgacat cgcggcttta acacccttg gtcattgtgag aaggaagagt  
120gccccaccag gactttccga ggctcacaga ttctttgaaa tggacgtgag caaaaacgc



180cagccccgac agccagggat cagatcgggt ttcacttcct aggagggagg atgtactgca  
240ggggaggccc acgtggctgc cccaggcctg gccagcctct gtgacccaac aggactgact  
300gttttacggg atggccacac ggtaccctgc aggtcatcc atggtgggac cttgatgctc  
360ctttgtg

367

&lt;210&gt; 2481&lt;211&gt; 384&lt;212&gt; DNA&lt;213&gt; Homo sapien

gtagcacgaa ggcccactcc aaggttctgg ccaggctgga ctgtaacagc agtaccagca  
60ccaggaatgg ggccaccatg tgatcttttg gtgaaatga cttttttggg cttgagtttg  
120tcttttctaga atgcacgtga tcccttatcc caggagggtt gtaaagacca cactgtggag  
180atcctttaat tgatgacgat ggcctatcga agccttgta cgcacagcc cctaacagtt  
240tacaaaacgc gtccatgatg aggacgggtc cattagagcc cccaacgttc tgtgaagtgg  
300gcggcacagg ttggggaagg ggacttaatg gggttatgta atttgcatga aaatcacaga  
360acctgaagtg gtgggtgaga ttca

384

&lt;210&gt; 2482&lt;211&gt; 383&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gcacatacat gcataggtat cctgtgtgtc cacatgcac attattatat  
60aaatagaaac ttctgaacac cctcctaagt cactacagga tgccagcgtt tctattctt  
120gggtagacag agccacctca gcacctgat ggatgataca agaaattgtt acttcctagt  
180atgggaagtgt ctttaaggaca cgtctccatg atattttggg gaacccaaag tgctttatcc  
240tcaaaaaat gttcctctgt tcccagttaa agtaatatc cctgcttcca agtaagcaag  
300actgttctact aaagaaggaa ctttttagaa aactaatctc ctttatcatc caattttagt  
360tctgcatgtt ccgaggtagc cag

383

&lt;210&gt; 2483&lt;211&gt; 379&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggtctcccca gtagctggga ctacagacac acaccaccac gcctagctaa  
60ttttgtattt ttagtagaga cggggtttca ccatgttggc caggctgggc tcaaactcct  
120gacctccggt aatccgcaca ccttggcctc caaaagtgtt gggtttacag gcgtgagcca  
180ccatgcctgg ccccatagg ttactttcat tccaccttca tgcttatggc cattcctctt  
240atgctgctgg gtggacatag agcttcacca ccactcctc gcattgtcctc tgtgtctgct  
300gagcactaac tgcgtgcccg gcacagtact gagcccattg ctcatctcag caggttcatc  
360ccagcaacct gggagggaa

379

&lt;210&gt; 2484&lt;211&gt; 377&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggaagggttg gtattgtaaa tgtgctgttg ttccaaagaa aaattagcag  
60aggacttgag atttagaaaa gtctcctttg taatgtgcat cattaccagt tatctaaaga  
120aaaacatgta aaagccaaca aaaccttga aaatattttg catatggatg tctgtttcac  
180gtttcaactg aagatgtata gagcacctct gatgatgagg aagataccat gctaggcagt  
240actttcaaga acgtgagttc ttattttctgc aggccttttg tgccccctt taaatgttag  
300catttattag gtacaaacta gtggggaagg tttttttaa aagttttgca gtcttgaat  
360ttaccttttt aaaaaat

377

&lt;210&gt; 2485&lt;211&gt; 375&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgctgctgtc gtatagaact aaaatgtctt aaaccacgct tagtttcata tttagaacaa  
60aaaaatccct aaaccattct gtttaactgt tagaaaccat tctgtaaaat gaagaaaatg  
120ggagacatgg aaactgattg ggggagttaa gctttactct catttttctc agccattaag  
180aagctggaag tatgtttctt taaagaagaa aaattcacag tgtgccatct tattttctct  
240ttctgccact ttttaaaaat cttcttattc agaagttcag caaagtaaac caagtctggc  
300ctaatacttt gatttacttg aatacctcta cgtatcttaa taattcctt aattttacat  
360tgtgtaaata tttat

375

&lt;210&gt; 2486&lt;211&gt; 372&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagat tgtactggga agaatgaaga ggtgatacct ttactagatc cttcagacac  
60atctatgaga agatttggtc atttaaaagt ctgcccactg aggataggga aaggattaag  
120gatttttcca cctcctctta gtaactcctg aattaccaac atcaacttct ttctctccgt  
180tcctgaagga actttgggga atcatcttca tccgtagtta cgctttcctg aaccttctca  
240gtgggtttaca tgcctctgaa actatgtgca atatttttg ttgacacttg tatccatcct

300taagaaatta gtgcagattg cagatgttct gtcttccatc ccaaacaagc ctgccatgag  
360gtaggatcct ag

372

<210> 2487<211> 155<212> DNA<213> Homo sapien

ggcacgagct ccgcgcggcc tcggtcccct gcgccgccc cccacaaca aaactcagcg  
60cagcgctccc gggcgcccg ttcagagcga cctgcggctc agagcggagg ggagactgac  
120cggagcgcgg atcgggacag cggccgggac agcgg

155

<210> 2488<211> 375<212> DNA<213> Homo sapien

cagctcatat ctggctaaca gtggcactat gggagtttat atgatctgtg cattattctg  
60tggcatcacc ttctaagagc agagatgtga cccaataccc cttgttttcc ttaaagataa  
120ccattaaatt atatccatga atttatatca ccgtccttga ctttatacgt agatttttct  
180aattctgtca acccttaggg taatgaataa cttaaattggc caatgcctct gaataacatc  
240atacttctt ttgtttctcc aaaaattgaa tcaagatgcc agggcaacta agattttctt  
300caatttgcta agttaaaggc cagtgtattc attagccaat ggttctgtat tttattcatt  
360ttagnnttta ttcgg

375

<210> 2489<211> 379<212> DNA<213> Homo sapien

gcggattgtg acaaaatctt tcattaacaa ggggagtttc ggtgaagtgg aggtttgggg  
60aaaggcgagg aagtcggtct ggagcaagca agcaaagtgc ggaagctgta ctgggattct  
120tctagaaagt ggggtgggaa aggaggtagg gagggcgtgt gcagggacga gatctgtgtc  
180agaacgtgcg tgtgagcggg taaaaaccc gagagaggcg tgagcagcgc tgtgtttgcg  
240agcgggagcg aggggcgccc gctggggtgt gtgctcctga gctcttcaga aaccaggctg  
300ctttcaggaa cattgctgtg gattcccagg gcctattcca ctagaagcaa gatggctgaa  
360ctcaatactc atgtgaatg

379

<210> 2490<211> 372<212> DNA<213> Homo sapien

catctttggc gtaggccatg aaagacagga tgctcattgg gtgttctgct gagtgaggaa  
60tgctgcctat tccctcgag tacgccctac ccagggatgt gtgttgaaga gccctggagg  
120aaatggaccc agttttgcc catatcagta ttacgtgaa gatcaggatga ctggtatgcc  
180ccacctccca tcattgcctc ccatagccat tctgttcagt cagctcatcc acgctggatt  
240cctgagaggt ttgcaatttg ggaagccatg aaaaaggctt ttatatcttg gaaagatgga  
300gagagggaca taggatcggg gactcctaca tgacatgaat aggctggaga ttgggaatcg  
360gcatccacc an

372

<210> 2491<211> 375<212> DNA<213> Homo sapien

ggcacgagaa actgtcagcc cattaagtgt tcattcttaa tgtgaaattt ctagatgaag  
60gcaatttagc ttaatttgcc aagacatctc ttcatgtctg ggagggtgc tgggggaagt  
120agagctggaa tccattggag ccaccaatct gcagaagtct agaacacaaa ggacacagag  
180tgggttttgt gggtcattgt ggcatttgtc aaggaaaagc aacattgccc tctaaatgac  
240tcccacttct gttctggaaa aaacgcatca tcattcatgc caccatccca atagacatag  
300gaagcaattt ctcttcaggt tttgagatgg tgcaagcatt gacttttctt tctacagagg  
360gctgggatgg ggggg

375

<210> 2492<211> 382<212> DNA<213> Homo sapien

accgcacgag ggaaaatcaa acttcttggt tgttctagct ttgaagcttt tgcttcagta  
60atattttgtt aaagaaccag atcacatacc atttatcaaa gtctttactt aagccagact  
120actttgcaga catacatatt tggaaaacag actgtttctt gttcactaga tagaatctgt  
180attgtagtaa gaaactactt acaagggtggc tttctttctg ctttgctact ctatgtataa  
240ctcaataata tatgtatggg cacagggtcc ctggagatgg tttatttctt tatgacagac  
300acatgagtat gcacctctct ctagtctct gatgtcactg cagctacagt ctcttctcac  
360tctgtttttg agagccttca aa

382

<210> 2493<211> 375<212> DNA<213> Homo sapien

cgttgctgtc gtgagaacgc aatgtcaggt gtgggactcc ttctgcccct gcagtgggtg  
60ttacgggcgg tgtgccctgg cgagcaagct ttgattcttg gttctttgag ctcgtttcag

120aggctgagtc cccacatcag ctttagttct tggacttccc tgtattaagc aagaattagg  
180agaatggctg tccctgcagg cgctcccg aaatcctgag ctctctggcg caatctgaaa  
240cttctcttct gttttctttg gctgtatcag ccgaaccagg agaggcctgg gctgcgacta  
300aggagaaaaga aatcgggggt ttctgagagc agatggtgcc tttgtgggtg cagggccttt  
360gtggaaattg tcacg

375

&lt;210&gt; 2494&lt;211&gt; 371&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gaaagttcca tataatgaat taaaagaaaa gtgctgtgaa gaaaacaaat  
60tcaggatggg aataggaggt ccaagggagt gcaagggtgtt ttcattttga atgtgggtgg  
120ctgggaaaagc ctactaaaaa tttagaaaaa acttgatgaa agagaggagt gagccatgca  
180gccatttggg ggacaacttc caggcagacg gccggaggca gcagtgcag ggcgtagtgc  
240gggcagtgtg tatgcctcct gtgtagcaaa cccagggcac cctttattaa gccaactatt  
300agggtttcca ctgtttgagg gtggctcctg ttcttgagaa cccccaactc tgatgttttt  
360ttggaattgc t

371

&lt;210&gt; 2495&lt;211&gt; 368&lt;212&gt; DNA&lt;213&gt; Homo sapien

ccgttgctgt cgggcgagtc tttaaaggag tggctcatct ttcctctccc tggggcattt  
60tgggtgtggga gactacaggg gatgaggtta aaaagcttgg tcggcaggta gaggatgggg  
120agagaggtta gggccctggg aaaggtggga gatcagccag agacagggtt cccagaacag  
180aatgtctggc ctttgtgggt aggagggact gtggtatgag ccgcagaagc gggccagggg  
240taaaccctcc tgtgcgtcct tccttcagcc tggctcctgag ggtgaccctt tgatcctggg  
300ttctccaggt agggctgtga gctgtgagtt ggatcctttt ggtgaaatgg tctctctcat  
360ctggcctg

368

&lt;210&gt; 2496&lt;211&gt; 378&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagcagcc aaggcctggt ggccctcggt cccctgcccc tcgtcaccat cctgtccttg  
60gctggccgtg aggactcccc tcctaccac tgggtccac agggctgagg tgggcagtag  
120agggcatagg tgggtacatg tcccgggcaa ggtctctcgg ggggacagaa gtgagtccag  
180ggagtgggtg ggccctggcg tcctcactc aaaatgccgt ggggtgagga cggtagggac  
240aggggtgggca ctgggttctg gtttagagtc agtaatgta gggcgagtg ggcaggggt  
300caggacatct ccagccggtg gtgaggaagc atgggtgggt ctcctccaca ggacgggagc  
360tgggngaggg gtccctggg

378

&lt;210&gt; 2497&lt;211&gt; 384&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gatttgtaga ccagactggg atccacagtt taattgaggg tttgctccag  
60tattcctggc ccaatgacaa agatcctgtg gatggctcct ttcctactat gacttttgc  
120gaggtgctgg ccacctatgg aactgataaa cctgacactc gctttggaat gaagattata  
180gatatcagtg atgtgtttag aaacacagag attggatttc ttcaagatgc acttaataag  
240ccccatggag ctgtgaaagc catatgtatc cctgaaggag caaaatactt aaaaaggaag  
300gacattgaat ccattacaaa ctttgcagct gaccatttta atcaggaaat cttacctgta  
360ttccttaacg ccaatagaaa ctgg

384

&lt;210&gt; 2498&lt;211&gt; 371&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gccatgcat tgacttgat gcagaagcaa tggctcttcc cctctatcgc  
60cgaaccataa gaggaaggag cttggataca agacaagtgt acaccaaag tgaagtgat  
120gaggttgaag atctctatga gcttttgaaa cttgttaagg aaaaagaaga agtagagggg  
180atatcagtag gtgctatact ttctgactat cagcgtattc gaggggaaaa tgtgtgtaaa  
240aggcttaatc tccagccttt agcttatctt tggcagagaa accaggaaga tttgctcaga  
300gagatgatat catctaact tcaagcaatg atcatcaaag tagcagcttt ggggttagat  
360cctgataagc a

371

&lt;210&gt; 2499&lt;211&gt; 377&lt;212&gt; DNA&lt;213&gt; Homo sapien

gtccaagctg ctgggcttgg agcaatgacg tccatgggtg gtaagggttg caaagattct  
60tttggcaatg attatataga aaacttaaaa cagaatgata tttctacaga atttacctat  
120cagactaaag atgctgctac aggaactgct tctataattg tcaataatga aggccagaat  
180atcattgtca tagtggctgg agcaaattta cttttgaata cggaggatct gagggcagca

240gccaatgtca ttagcagagc caaagtcattg gtctgccagc tcgaaataac tccagcaact  
300tcttttggaag ccctaacaat ggcccgcagg agtggagtga aaaccttggt caatccagcc  
360cctgccattg ctgacct

377

&lt;210&gt; 2500&lt;211&gt; 346&lt;212&gt; DNA&lt;213&gt; Homo sapien

tttcgtttgc gagaagacga cagaaggcca aggaactagt gtgtatcaag ccataactaag  
60ctggagttta gcaggacaaa ggcaactaa atgtagaaca taacatatca gctgaatatg  
120tctatccagg actgtttttc tagaacataa atcatggagc tccttgacag tgtatccact  
180gttttttgggg tttataaaaa ccaactagaa tttagactta caaagaaatt attattcctt  
240ttggttgtcc acataaagca gtccagggtc atcatatggc taaaatcaag atatttggtt  
300catctctggg atgtatttat aaagtcaact tatcagccat taagat

346

&lt;210&gt; 2501&lt;211&gt; 344&lt;212&gt; DNA&lt;213&gt; Homo sapien

tactttctgc gagaagacga cagaaggggg cggaggggca ccttacttac ctcagggcaa  
60ctcccccaac actggagaca gtctgttcca aacaggagtg ggagacgaga ctgaatggag  
120tttggataat gaaaaagaat gtctgggacc aatttaatatg tcatatccag ttagtgagga  
180acggagccaa gctgagcaga ctctctcaaa tccctactcc cactttacct ccacccccat  
240cagagacaga ctctatgctt taggtgtttc aaccagggtc ctctctgggt cctcggatgc  
300ccttttccat tgggcaggct acaatgcccc tggttatgcc cagt

344

&lt;210&gt; 2502&lt;211&gt; 338&lt;212&gt; DNA&lt;213&gt; Homo sapien

agggctatgg ctgctagaag acgacagaag ggataaccaa acctcctaga ctaacaacac  
60agtcattcat cttacctcca agaaaaacat aaccccaacc agctatttgc cctgctccca  
120gtagaggcag acacacctga atgtgctatg aagagacaag ccttagggga gaaacagtgt  
180gattttggaca aatcattcta taacagcgaa acctttcgat gtgttcaacg gctgcagaaa  
240gcacaccaca ggtgagagac cagaaagtgc ccaaggggtt ttatacaaaa aaactatatt  
300taggtatagg gcacagtcta cgtagaaaac ctttcaag

338

&lt;210&gt; 2503&lt;211&gt; 335&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaacaaaac cctctgctc tcctctcgca gaggtcatcc  
60ctgagtcagg gtggcagtc cccccgggg ggcagaggag agtgcctatg gttgaggctg  
120gggactctgc aactggggga ggcacggtta aattaacacc tgctgatccc atgggccttg  
180gacaggtttc ttgacttttt gggggcgcgt gtcaaagggt gagtataata acctcctccc  
240cacagcaaat taataaatgg catgtgcaca tacagcgctt gcctcatgtc tcacatgata  
300aacctgattt ctgggcactg gctgagcgac tatgg

335

&lt;210&gt; 2504&lt;211&gt; 475&lt;212&gt; DNA&lt;213&gt; Homo sapien

acttgaactt nnnaaggatc ccacgatctc gctcagatct ccaactcctc ctcttcttc  
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180tcctacacca accccttcat cgacccca cctcctgat gctcagagct caactcctag  
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300aactcagttt gctcagcagc aaagggtctc gagccaggca atgcctgtaa caaccattcc  
360tctttccacc atggtaacat ctataactcc aggaaccacg gccacccagg tcatggcaaa  
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475

&lt;210&gt; 2505&lt;211&gt; 446&lt;212&gt; DNA&lt;213&gt; Homo sapien

gacaattctc anggcctttn tggaagatcc catcganncg gttgcggcac gagaatgctt  
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120gtgtgttctt gctgttttga agtaatcaaa tgctgtgcat ggtattttac ctgagctgca  
180acctgttatg gacttgaact tctgtttaag ttgaaagcaa gagtcctga gtataaagga  
240aaaacagcaa aacaaaaagc aaacaaaaaa aaactgcaaa agtctaaaat acccattggg  
300gatgtttttt aaaaaaatct tgctttcagc tttcaggagg taatattctt tgttttaatt  
360tgataattgg atatggttga tttatattgg gtttaaaactg cggagctttc atgtttactg  
420gtaatttagt ttaaaatatt ttttac

446

<210> 2506<211> 444<212> DNA<213> Homo sapien

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120tcatagttta aaacttgtat atctttacct atccttcgta tgttttcttc ttaagcatat  
180ttgacttttt ctacctcagc atctgtataa gaaaatattt gtgagtcaga tgtttgtggg  
240ttttccttac ctattattat tttcttccat gctttacaac acatttttta aactaccttg  
300ttctttaata attacacgga cctgcttctg tgtactttca cagaatcttt gacagttaaa  
360aattgtatgt tatataaaaa ttgacaagc ttctacagtt aggaaaagcc tttagaaatc  
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444

<210> 2507<211> 431<212> DNA<213> Homo sapien

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120tatcaaaaaga cagcactaca gatatcatat tgaggattaa tttatcccc ctacccccag  
180cctgacaaat attgttacca tgaagatagt tttcctcaat ggacttcaaa ttgcatctag  
240aattagtgga gcttttgtat cttctgcaga cactgtgggt agcccatcaa aatgtaagct  
300gtgctcctct catttttatt tttatttttt tgggagagaa tatttcaaat gaacacgtgc  
360accccatcat cactggaggc aaatttcagc atagatctgt aggattttta gaagaccgtg  
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431

<210> 2508<211> 433<212> DNA<213> Homo sapien

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120gcgaatgtaa tacggaggcc tctgaggaag gactacggag gccgagaagg agccggcatt  
180tgatgagcga accgggaaaag ggagacgatt gcctcgagct ggagagtcc atggctgaga  
240gtagggtccg ggccccggac ctaggagttt ccagggtgtct aggaaaatgc cagaagaact  
300caccaggtgc caggaagcat ccttttccg gaaagtcctt ttacttggat ctgcctgctg  
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420ttctgagcaa aga

433

<210> 2509<211> 425<212> DNA<213> Homo sapien

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60gttgaattta caaggaccta caagatggtc atgtttgtct tggatgtgc taccctaatt  
120ttagtgtttc tttctttatt ttaaatcagt aattattcag ttgattgttt atactatata  
180atgaagtaac aaaaacattt tggtttgtat gttttaagta acagttgtgc aaattcctct  
240tgtttgttag gtgctccctt tgaatatttt gtgaactgtg tcacagggag aggggtgggtg  
300gctaggaaga gggtcagaaa gaagctagag ggaggtcagg agaagggtaa cagggaggat  
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425

<210> 2510<211> 423<212> DNA<213> Homo sapien

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120tatcaaaaaga cagcactaca gatatcatat tgaggattaa tttatcccc ctacccccag  
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240aattagtgga gcttttgtat cttctgcaga cactgtgggt agcccatcaa aatgtaagct  
300gtgctcctct catttttatt tttatttttt tgggagagaa tatttcaaat gaacacgtgc  
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420ggc

423

<210> 2511<211> 421<212> DNA<213> Homo sapien

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120agagagagag agagagagag agagagagag agagagagag agagacacac cctctctctc  
180tcttcttcag tgagtgaagt agcgagtgggt gtgtctcccc cccctctct ctctctgtgt  
240ctattgtctt tttctggcgc gtattgcttt atctctctct ctctctctct ctcacatata

300tattcccccc cccctctct ctctctcaca caaatTTTTT ctttttttTgt tcgtgtgcct  
360ctctctctat aaaaccact ctctctctt tttctctctg cgtgtgtgcg ccttctctcc  
420c

421

&lt;210&gt; 2512&lt;211&gt; 422&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggc caaatccttt gagctgttaa gatgataatt tcctgctttc ctctacatc  
60ttctctctccc actccctcct ttggtgtgaa tattggcttc ccaattaaga cctttttttt  
120tttttttccaa gttggtttta ccaaataaag ggttgaggag aaccttgccc ttttgaaat  
180tttaaaaaaa ttttttacc tttcttaaaa taagtttctg gtttttccaa gggtttaatg  
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300gagattttcc caaacggag gggcccccc ctggttttga acctggaacc acatccccgg  
360ggggtgggaa aggggaatttc cccaccggga agccttggtc tttggttccc agggccttgg  
420gg

422

&lt;210&gt; 2513&lt;211&gt; 422&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggc agccggacca ggagtgggt tcgtctctcc ccgagcctcc ctttctcaaa  
60tcccgcaggg tcttcgcgag gatccggggc gctccccgcg gacctgcctc gcccggggt  
120tgggctcggc ctgcctctgc ggggacttct gtatgcaccc cgtgcagtgt ccccgacagg  
180cgaccccgcg cgcccgcgct ctagggggtt gggacggagg acagctagcc tgaagtctgc  
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300tttgtatttt ccaggttgcc tttgcaggcg cccgcatttc taacctgttc ttcctcttgg  
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420at

422

&lt;210&gt; 2514&lt;211&gt; 422&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gaagtatttt accttgactt accttctgtc accatatctg aaaaacttca  
60aaaggacatt aaggatctgg gagggcgagt tgaagaattt ctacgcaaag atatcagtta  
120tcttattttca aataagaagg aagctaaatt tgcacaaacc ttgggtcgaa tttctcctgt  
180accaagtcca gaatctgcat atactgcaga aaccacttca cctcatccca gccatgatgg  
240aagttcattt aagtcaccag acacagtgtg ttttaagcaga ggaaaattat tagttgaaaa  
300agctatcaag gaccatgatt ttattccttc aaatagtata ttatcaaatg ccttgtcatg  
360gggagtaaaa attcttcata ttgatgacat tagatactac attgaacaaa agaaaaaaga  
420gt

422

&lt;210&gt; 2515&lt;211&gt; 166&lt;212&gt; DNA&lt;213&gt; Homo sapien

tgtttggct gcactcttac ccatgatgcc agttgccttc attatattaa ctgagtttta  
60aatttgcggg ggggaagcta ttttaccta tgcagggaac ttaacaaggc ctaatattaa  
120cctttatttt atttttaggg agttactttt ggctgcagga cctcgg  
166

&lt;210&gt; 2516&lt;211&gt; 415&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga gagagagaga actagtctcg agagcagnnn nntttttttt tttttttttt  
60ttgggggtttt ggggtttgggc caataaaaaa actttttttt ttacaacaat tttaccccc  
120cctttttacc ctttttttcc ccccggggtt aaaaggggga aaactcttgg ggggttttcc  
180ccccctttt aaaaaaggaa accccccctt tttaaaccgt gtttttttcc cccctccga  
240ggagggggaa ttttactcca aaaaccctt ttttttaaaa aaaaaaaccc ctgggggaat  
300ttttttttt ccgggtttta aagaccccc aaaaaaaaaa aggggttttc cccacattt  
360tgtggcgggg aaaaaaaccc cccctttttt tttttcccc cctcaaaagg ggccc  
415

&lt;210&gt; 2517&lt;211&gt; 416&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gaagaatagg agagaataga ttatgtctt ttaaacctga gagagggttg  
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120acagaaatag ccagaggtaa tggatttcct cttaccaa at tgaaggatta gctctgtaga  
180aatgttgaat tttaaatgtt ttccttgtac ctgatagaat tgcatagtgt tcctgcatct  
240tatatgagag gcagtttaag gtgcttcac aactgtggat ggaatcctca aagtcagtc  
300tctgattggc tgccaggggc ctaaacaggt tgaatatatt aatcaactat acaggagtca  
360accatcccaa gagttaaaga attgcataga tcctttagtt taagggaaaa aaaatn

416

&lt;210&gt; 2518&lt;211&gt; 413&lt;212&gt; DNA&lt;213&gt; Homo sapien

ccatcgattc gaattccggt gctgtcggcc tcatttgcta tcccagcatc tcttaaaact  
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120aaaacatgaa tcttgggagt ctacattttc ttatcaccag gagctggact gccatctcct  
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240aggcctgagg tcggcggact gcctgaggtc aggaattcaa gaccagcctg gccaacatgg  
300caaaacccca tctctactaa aaataaaaaa attattagct gggcatggtg gtgtgtgcct  
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413

&lt;210&gt; 2519&lt;211&gt; 416&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagat tttaatcagc tatgtcattt ctgcgtctcg ttgtatactc ctggaaggct  
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120gcactgtcag caagtatctg ctgaaacaag ttttttgaa tcttttagctt ttctgtagct  
180ccagtctttt taaagtactt cttttgacct tcaagtaaca acgagcactt gctttaaaat  
240tctgacagtc ttccaagcct tttaacattc ttattccact aaataagctg tcgccgtca  
300ctgggacagg cagcacagtt gcttgaacgc ccggcttgaa attccacgaa atgtcacctc  
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416

&lt;210&gt; 2520&lt;211&gt; 413&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggaagaattc gcggccgcag gagttttcca gtcccagcta cccgggagggc  
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120ccccatctct aaaacaaaaa aggtacctta gaaggctacc tggttggcta accttttaaa  
180ggcaggggag tgacacgtag gacacattgg gaatgtcttg gctactacat gtgaccttct  
240gggatatatg tgcccagagg gagaagcact gagcctgaag aaactagatg agtctcagaa  
300ccacagaccg gccagaaatc tctcccacca ttatatcagc gtgatacagg tctacattca  
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413

&lt;210&gt; 2521&lt;211&gt; 166&lt;212&gt; DNA&lt;213&gt; Homo sapien

atataccctg tctcactttc cagaggtagc agtcactaat actgggggtga gtgattttac  
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120tcatgtcaat acatagatta atcttttatt tcaaatgtct acataa

166

&lt;210&gt; 2522&lt;211&gt; 413&lt;212&gt; DNA&lt;213&gt; Homo sapien

cttttgttac ctaaataatg agtaggatct tgttttgttt taccaccagc acacagattg  
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413

&lt;210&gt; 2523&lt;211&gt; 416&lt;212&gt; DNA&lt;213&gt; Homo sapien

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416

&lt;210&gt; 2524&lt;211&gt; 414&lt;212&gt; DNA&lt;213&gt; Homo sapien

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120ctatgattgc accactgcac tccaggcaac agagtggagc cctgtcttaa aaaaagaagg  
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360gccgagaggc gggcacccca atcccccgga actgggattg tgaaggctag gtcc  
414  
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413  
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416  
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180attttccaat aagagaatat aacaatttct gtacactatg gaagagtttg acttggtgaa  
240aaccttacac aaaacttcat cttctgtagg atctgatgaa aattctcttc attctcttgg  
300actgaactta aatactgata ggtaagaatg ggatttaaaa aaaatgtacc aatcagaat  
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408  
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409  
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408  
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165  
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ggcacgagaa agaatagaga gaaagggagc cgctgtgctg gtgggttaca ctgcagagga



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409

<210> 2532<211> 409<212> DNA<213> Homo sapien

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180aaggagtgtg ggaaaactgc atgccccagg cttccccgcg ccaggggtga attggaagcc  
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300ctcacaaggt taaatcttta acaagagcct catgtttgtt aggagaaggt gggacccag  
360cccaagcact tccccattgc agcctggcat gaaatctttg ctttttagt  
409

<210> 2533<211> 412<212> DNA<213> Homo sapien

ttttcggcac gaggagagag agagagtgtg agagtgtgat atgagagaga gagagagaga  
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120gagagagaga gagagagaga gagagagaga gagagcgcgc ccccccccc tctatacacc  
180cacacgcgcg ccccccccc tatctctctc ttctctctca ctgcgcgcac ttttgtgttt  
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300ctttgcgcg ccccccccat atatctctct ccccccccc cctctctttt tctgtgtgtg  
360tgtgagagag ggatattttt ttttgttccc cccccccacc ctggtttctt tt  
412

<210> 2534<211> 411<212> DNA<213> Homo sapien

cggtgtgtgc ggcgctgtgt ctgcctggg gtaggggtgt gtcctgtcag ccgtgggggc  
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120ttctctggtg ggcctgcaa acctgcccta ccaaacctga aagagggtcg gctcatctcg  
180gaaccgcgtg cgtgccaaagc caggcacgag gaggtggcag gcatcccgac ccccggtggg  
240cctgtgttct agagtgcaga gacagaactg gctgggaggt gcggggcatt ggattgtacc  
300agtgtgtggg aggagagcaa agcaggggaa ggtctcggca gcgccaggt tgggccgaga  
360gggttgtgtc ctgcaccatg ctgggatgca gaatggaggc ctgtgccgcc c  
411

<210> 2535<211> 406<212> DNA<213> Homo sapien

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120cttctgttgt tagagaaatg gctgcaaagt gaacataggg agttctttgt tgttgttatt  
180aaagatatgt atatttcctg taaacagcta agtctgttta gatcctagga catggcattt  
240atatagcaga atattattta aaatattttc atctcgtgac ccattagcca ccaagtatgc  
300ttccttaggt aattttttaca tagtagtacc atgccagct ggatagagtt gccttgaaga  
360agtgatattt acaataaaac aaaattttac aatatttaca atanag  
406

<210> 2536<211> 404<212> DNA<213> Homo sapien

cggtgtgtgc ggaagaattc gccgccgcat gagannnnnn tttttttttt tttttttttt  
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120gtttaccccc agcccccttt tttttgggaa aaaaaaaccc ctccctcttt ttaaaaaaaa  
180cccttttctt tttttttttt ttttaaaaaa aaaaaagggg ggggggggaa aaaaaaaaaa  
240aagggggggg cccccccccc cccccctttt ttttaggggg gggcttttgt ttttttaaaa  
300aagttttttc ccgggggggg cctttttatt ttcccttta aaaccccat tgggggggga  
360acggcccgcc ccccaaacag aggggggaaa aatttttttt tttc  
404

<210> 2537<211> 403<212> DNA<213> Homo sapien

ggcacgaggg ggtggctttg atttcggcga tgagctccca gaaaggcaac gtggctcgtt  
60ccagacctca gaagcaccag aatacgttta gcttcaaaaa tgacaagttc gataaaagt  
120tgacagacca gaaaattaat gcaaaaacttc atgatggagt atgtcagcgc tgtaagaag

180ttcttgagtgc gcgtgtaaaa tacagcaaata acaaaccatt atcaaacct aaaaagtgtg  
240ttaaatgttt acaaaagaca gtgaaggatt cttatcacat aatgtgcagg ccatgtgcct  
300gtgaacttga agtttgcgca aaatgtggaa agaaagaaga cattgttatt ccgttgaata  
360aagaaacaga aaaaatagaa catactgaaa ataataag ttn

403

&lt;210&gt; 2538&lt;211&gt; 403&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggc agaattgtact gagccacccc cttctttttc tttttaccct ttttgggttc  
60atttttactt aaattgctta cttccaagag gtagatgggtg cagtgcagctg agattgagcc  
120attgcactcc agcctatgca gcacgagtga gactacgtct tacaaaaaaa aaaaaaatc  
180tcggccctta aaacctttat ggtgtgtttt aagttcaagc ggaagtggga aaagtccttt  
240gttgggtttgg gaccaaccac acttaaatgc cggcgaaaaa accgcttttt tgggaaaatt  
300ggggacccta tgggttttatt taaagccctt ataggcgaga aaaaacaggt tagcaacaaa  
360agtgtggttc ttttaattgtt ccagggttag gggaaggggg ggc

403

&lt;210&gt; 2539&lt;211&gt; 406&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagaa ctagtctncc cagcaaccgt tccgtgtttt cttttcttc ttttaaaaaa  
60aaaaaaaaat gaagttttta ttttttaggc ccaatgggg gccggggagg tggccaaaac  
120cggggccccc agaaaaaccc gagaaaattt ttgtgttaaa aaacacaaga ttttggcccc  
180ccccagggt ttttgggggt ttggccaaaa cttcccttc tttggggggg ccttccccc  
240ccccgggggt tttaccccc aaaaaaaat tggggggggg gaggaactt tccctttttt  
300cccccccgcg ggggggtttt aaaaaaagat atgggggggg ggccccctcc tctacccca  
360ggaaaacctt tgggggcccc ccttaaaacc aggaggggtc agagcc

406

&lt;210&gt; 2540&lt;211&gt; 405&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagca aaaatacaaa aattagccag gcgtgggtgt gcacgtctgt aatcccagct  
60gctcgggagg ctgaggcagg agaatactt gaaccaggga ggtggaggtt gcagtgcagc  
120aagattgcac cactgcactc cagcctgggc gacagagtga gactccatct tggggggaaa  
180aaagtatata tatatacaca cacacagaca cacacacaca cacatatatc tctaaatgtg  
240tgtatagaac cttttatcag tataacattg atttataatt aatgtgggt gaggaagaat  
300gtgtggagt tttcagaaat ttgatccta aaagcctttt cagaaactca aagctttcag  
360aaattaatag ttatattaat agccttctaa acagcattaa gtttt

405

&lt;210&gt; 2541&lt;211&gt; 403&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagct atctttattt tgggcacact atagcttttg ttaattattt ctttgcactt  
60gttagaatct gtttttgaaa aaaaaaaaaa aaaccttttg ctttgattcg ggggactcc  
120cccttcttaa aaaaccaatt ttaaaggata ttaggatgga ctttcaaacc caatatcttg  
180aaaggcgatt tttaaaaaat tttagctcct gcctcccaa ttaggttaac ttggaccaga  
240aaataggcgg agagccccc aatagaggtt aacttaccta tttaaacgtg atctttcgac  
300tttaaaaaaa aatgaaggcc cgtcaaagc ttccttagag ggcgcttatg aacaaaaaaa  
360aaccttagga tgtccaaatc tttccttag aactttctaa gat

403

&lt;210&gt; 2542&lt;211&gt; 407&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagat gtgatgatag taactctgaa gcttatgtct gtagcttttg cagtgttcac  
60aggttgagga cttaaacctt ttaagtaac atagttcagt tgtttttttt ttgaaaaaa  
120acccttgga gttggaagga cttttcccaa gggccaaagg ggagtggag tccaaccggc  
180cttggttaat aaccattact tttccccag ggaaggacca aacggattct tttttctct  
240cctcaagcct cccaaacaaa aggtaaacca gcctgggctt attttaagtt ggacctggcc  
300aaaccaagga tttttttaat aaaaaattta aaaggtccac cattagaacc cggataattt  
360ttacccatt ttctttggcc cttatttttt aacctccca agaagcg

407

&lt;210&gt; 2543&lt;211&gt; 406&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggnangagtt ccgagccgcc gtaagactgg ttccggcggg ctggtgagga atggagccgg  
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120gtaacctggc ggaggtgggt gagcgtgtgc tcacctctt gccgccaag gcgttgctgc  
180gggtggcctg aatgttcgca tcttaccaca tacagttctt tacatggctg attcagaaac  
240tttcattagt ctggaagagt gtcgtggcca taagagagca aggaaaagaa ctagtatgga

300aacagcactt gcccttgaga agctattccc caaacaatgc caagtccttg ggattgtgac  
360cccaggaatt gtagtgactc caatgggatac aggtagcaat cgacct

406

<210> 2544<211> 403<212> DNA<213> Homo sapien

nnctcgccac gagaatccat tcccaggggc ctcccggctt gtcccagccc ctcttttgc  
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120ctggggcagct tctgtttccc tctgtgcct gggagctgag gcacccgtgc cagtggcaga  
180ggccacagcc ccagccttag gccaggccct gggagggcag gcaggcaaag gggagaccag  
240agggtctgtg ttctccagga gaatgagggt gttggtccca gaattgggac cggggccccg  
300ctggccagcc ctgggccact tcccgggtct ccattgtgcg tgggtggcgt gttccaggcg  
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403

<210> 2545<211> 403<212> DNA<213> Homo sapien

cgttgctgtc gaagacctgc ctccatcct ggcagcccag cctgagaccg ttgcattgag  
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120cactgggccc cctcccctgc tgggcaatcc tgggaaggte tggaggttcc tgtggacctc  
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240ctcttttccct cccctctggt ctccattctc ttcagctccc tacatgggct ggggaggaga  
300cacctgggtgg gcagagctca ggcagagggt tggatttcag ctccctcact tccggggctg  
360tgtggccttg gcagatgtca gacttctggt cttgcttctc cac

403

<210> 2546<211> 404<212> DNA<213> Homo sapien

ggcacgaggc caagaggact cagactgtgg aacttccgtg cccccaccc tcaccaaggt  
60taaatgcctc cctctcggtt catcctgaga aagatgagtt aatccttttt ggagggtgaat  
120atttcaacgg ccaaaaaact tttttgtata acgagctcta tgtctacaat accagaaagg  
180acacctggac caaagttgac ataccagtc cacctccag gcgtgtgct caccacgcgg  
240gggtagtgcc tcaagggtgc ggacagctgt gggcttttgg aggggagttt gcctctccca  
300acggagagca gatctaccac tacaaggatc tctgggtcct gcatttggcc accaagacct  
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404

<210> 2547<211> 402<212> DNA<213> Homo sapien

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120gtcaccttgt ctagcaggat gcaatcctc aagtgggtatt aaaaagcata cagtgtttta  
180taactgtagt tgtgtggaag taactggtct ccagaacaga aattactcag cgcacttggt  
240tgaatgccc agagataata cttgtacaag gaaatttttc atctatgttg caattcaagt  
300cataaactct ttgttctctg caacaggagg taccacattt atcttgttga ctgtgaagat  
360tgctcaacct gaattgaaag cacttgcaat gggtttccag tc

402

<210> 2548<211> 399<212> DNA<213> Homo sapien

cgttgctgtc ggtgtggggg tggagtggct cttgcccag cctctcacct ctgccttcat  
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120tcagtctcct gccggaagaa atgggttag cccgaaagga ggctgtctga ggaagggaga  
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240ttcccttatt tcttctctt tcttttccac tctccctt ctccttact ctatctcccc  
300ctgtttcttc ttgcccttct taatttacct ttcattccct ctttttccac ttcaactcac  
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399

<210> 2549<211> 398<212> DNA<213> Homo sapien

cgttgctgtc ggccatgttg ccagactgg ttttgaactc ctggcctcag gtgatctgcc  
60caccttgcc tcccaaagt ctgggattac aggtgtgagc caccgcacct ggccagaccg  
120cttcacttgt aaaagaaatt aggctaataa gaaggtgtag tttttgagaa atgaaattta  
180acttttagcct tttcactagt aaatagtcac atctcatttt ctccctttgt aaaatgggg  
240tactactggc cctacctcat attctatgag aatgagtttg tagctgttcc aaatcatgaa  
300gtgcatagta tcacatgtga tagaatatt ataactttt attagatgct taatgttcaa  
360ttaagtaatt ttgatgtgaa aaataaaagt aataaaag

398

&lt;210&gt; 2550&lt;211&gt; 401&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt actgcttcct ccaaccaggt ggagaatcct ggcaagcact acctcagcca  
60gagatttaat gttgatagta aatgcatgta gaaatggatc catctggaaa catagagata  
120ggaaaacatg attctttttac tttttttttt tttttttaag ggaaggggct aattttgtca  
180cccaggctgg agggcagggg catgatctaa gtcctatggaa agggcccttt cctaggctaa  
240aagggccctt ccacctaagc ctcttgaaaa gtaagggata aatggaaagg ttttttttta  
300ttggatcttc ttattgggcc acggggggacc ctgaaaaaaa ttttcggggc gggctggggg  
360gttaacacct ggggccccac cacttgggga ggctggggcg n

401

&lt;210&gt; 2551&lt;211&gt; 395&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga ggcattgtgt atagtgtgtt tcgggctctt cccacgaaac tcggctctgc  
60acagtgagac ctcatctcct ggttctgttt gatgagttag cgaatgcaca tggcaggcgg  
120tcatgtccct tgggcctgtg aggtgaggaa gggctccctga gccctgtggg gatagagact  
180cttccaccat tctgacatga tccgagttag caggcagcac tgtccagatg gaaatgggga  
240tgggagacag accatctctc tcagcgggtc cagccatgag ccagcagact gtttccatt  
300ggcccccatc tttcagagtg ggatgatctt tctaacaag aaacccacac aggaatttgg  
360cgtgtgtgtg catgtgtgta ttacctttga ggatg

395

&lt;210&gt; 2552&lt;211&gt; 396&lt;212&gt; DNA&lt;213&gt; Homo sapien

gagtgataga acataccaac gttaccaaga aatttacaag ctgctggctt taagcttatg  
60caagtggtag ttgggaaagt aggaggtgtg gaagagggtt tgcattttgg attaattcat  
120gcaaaaatgaa ggaggaagcc tggctctaaga agatactgtc tttcaataga aatgatttct  
180aaactgctac agattaagaa tagataatct gattgctgtt gttttgtttg tttggaaaga  
240aaaaaaatgt ctggcttctt ctactatttg tttcactac caaactgtgt tactaaatct  
300cttgtcatcc ttgtatgtaa aatgggtgct gggggtggag ggggtataaga ggaggagag  
360tcatagagag tgtgtatggc tttgatggca ctggtt

396

&lt;210&gt; 2553&lt;211&gt; 398&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg aggctacaga tgcccctgag caagtcgagg agattctgga tcacagttag  
60cagcaggcac gccctgctcg tgtaaatgga ggcaccgatg aggagaatgg tgaggagctg  
120cagcagggtta ataattgagct tcaactggtc ctagacaagg aaagaaagtc tcaaggagct  
180ggcagtgagc aagatgaggg tgatgtagac cttcaaagac caccaaggcc agaagtaaaa  
240attaccagtc cagaagaaaa tgaaaacaac caacaaaaca aggactatgc tgccgtggct  
300tanaacattt ttaaaaagag agtatatgga tcgcaagaaa aatgaagggt tatcatactt  
360gaaagataag cacatagtta ttgctgaata taatgtgg

398

&lt;210&gt; 2554&lt;211&gt; 395&lt;212&gt; DNA&lt;213&gt; Homo sapien

ctcaagtttc ttgagttgct gcttggttaac acccagcttt taactgagtg tttgctcctg  
60atgggttagg agattttcat gttgtatcac actgtcaagt tttattttgt ctttttatcc  
120ctccgtggat gtgagtttga aacaagcacg gtacagtaat cctgcctgat agagtagtct  
180ggaatgagaa ttactttttg ggtgagagag ttctccattt taatgtttct aaagtttttc  
240atatgaactt ggcattggaa aagggaggta aagaaaaagg acgtttacta aaagcagtgt  
300ctactcttcc cctttgtgag tgtttattca tggctaataa aaaaagagaa ggactcttgg  
360gtttttgtgtt gccatgttaa gcatggagag ggatg

395

&lt;210&gt; 2555&lt;211&gt; 398&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagcc aacccccgaa cccctgggtg gtacgggtca ggcagacaca tgtggctggg  
60cggctgggct ggggagggga cagccgccac ctcagggtta tatttccctc tccccctccc  
120tccccgccaa gagctctgcc aggggcgggc aaaaaaaagt aaaaagaaaa gaaaaaaaaa  
180aggaaccaac cccctctac atattatgga aagaaaatat tttggccgat cctaattctt  
240ttataattat gcggggaaaa agtaaaacca ttaaagcatt ccagttggaa aaaaaaaaaa  
300aaccctttta aactataggg ggccgggttc cgtaaacca aactggataa aaaccttggg  
360ggagttgggc caacccccac ctaaatggcg gggaaaaa

398

&lt;210&gt; 2556&lt;211&gt; 398&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagcc accatgcccc gccaatccat gaaatcttaa tggctcaact aaacaaacat  
60ttagtctca ttcacactac atggccgtgg tgaggaagac cactctgctc catattgtca  
120ctcagagatc tagacagatg gagtctttac tatcttatga tgttgctgctc tcaacacaca  
180gcttctagag ttcctgtggt gggataaagg gtaaaââââââ taaactttct cttaaagtct  
240ttggccctgg ctagcatcag tcctatgaat cttcctcagt gctagggagt tgggatgtgc  
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360tactatgtg tactgaggaa caggattcaa gctgtatt  
398

<210> 2557<211> 401<212> DNA<213> Homo sapien  
cgttgctgctc gggattatc ttttaagttg tcagcaagtt accaaggtat tcattaaaga  
60acttgtaata tcaaattact atttattcat acaattgat ttgatgctaa taataatttt  
120cttttaaaactc taccattcat tatgtggtaa ctgtattgaa cttactttat ttggatttta  
180tttttaaatgtg actagatgct accacttcaa aaaatcaatt tgttcttaga acctggttga  
240aaataaccagg aaactgttac agactccatt tcaaaaaaaa aaaaaaaacccc  
300ttggagcctg ggggggggctc caaaaaaac cccattttg ctgaaagggg ttttttaaaa  
360acttttccca cgggtttttt ggggaaaagc cacttaatta a  
401

<210> 2558<211> 400<212> DNA<213> Homo sapien  
ggcacgagac ctggccctct gggaagtcta ccagtggcaa aaaggacaga tgcagaagca  
60gaacggaggg aaggccgtgg acgagcggca gctgttcac ggcaccagcg ccatttttgt  
120ggacgccatc tgccagcaga actttgactg gcgggtctgt ggtgttcacg gcacttecta  
180cggcaagggg agctactttg cccgagatgc tgcataatcc caccactaca gcaaatccga  
240cacgcagacc cacacgatgt tcctggcccg ggtgctggtg ggcgagttcg tcagggggcaa  
300tgctccttt gtccgtccgc cggccaagga gggctggagc aacgccttct atgatagctg  
360cgtgaacagt gtgtccgacc cctccatctt tgtgatcttt  
400

<210> 2559<211> 400<212> DNA<213> Homo sapien  
cgttgctgctc gataattttt tattatttta gggtagaatt gacatcttta taacaaatga  
60gtgtttattc ccctttgttt aagtaatctg ttatttctgt cagtaggttt ttatgttttc  
120ttcatcacagg tcttatacag ttctagtgtt ttatatctac agattttatc tttttgttg  
180ctgctagtaa atgtaagtgg gtcccttttt tttttacatt gtatttcatt ggcccccaa  
240caccctccc acatttgatt gatagacttc ttgatccctt ttgattcctc ttccttacc  
300ccaagcaggg atttgaatat taattttttc attgagatat aattcacata ccataaaatc  
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400

<210> 2560<211> 396<212> DNA<213> Homo sapien  
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60gcccgtgag agggagatgt gttgggtgcg gggcctgggc cgccgctctc gtcctctgg  
120ccaccgcccc tgggaagccc ttttgaaag cctatacggc tcagacatcc gagagcatga  
180ccccaactgc cacttcagag acttatttga aagctttggc cgattgccat ggacctctgg  
240accactatga ttttctgatc aaagctcatg agctaaagga tgatgaacat caaagaagag  
300tcatacagtg tttgcagaaa ttacacgagg accttaaagg atacaatata gaggcagaag  
360gccttttttc acagcttttt tcaaggagca tacctg  
396

<210> 2561<211> 397<212> DNA<213> Homo sapien  
cgttgctgctc ggcgccttg gccttatgac ccaacttctc tcaccgccat ggagttcgac  
60ctgggagcag ccctggagcc cactcccag aagcccgggtg tggggggcggg ccacggggga  
120gatcccaagc tcagtcccca caaagttcag ggccggctcg aggcaggggc aggtccgggt  
180ccaaaggtaa gtcgcctcat caccggctgc ggagaggcgg gaaggctggg gttgcccctg  
240accccagggt cctgccttag gcctccaact tcagggggct gggtaagggg cgccgcctca  
300ctgcccacac ttcattcagc aaggacacca cagctcttcc gactccagca gcagctccag  
360cgattcggac acggatgtga aggtaagggg ctctcgc  
397

<210> 2562<211> 401<212> DNA<213> Homo sapien  
ggcacgaggg acctcagtg aaacacgccc ctcatattat cctgctccgg tggccatcac  
60gagcttgtgg cactgctgct acagcacggg gcctccatta acgcttctaa caataagggg

120aacacagcgc tgcacgaggc tgtgattgaa aagcacgtct tcgtggtaga gctgcttctg  
180ctccacggag cgtcagttca ggtgctgaac aagcggcagc gcacggctgt agactgtgct  
240gaacagaatt caaaaataat ggaattgctt caggtggtac caagctgtgt tgcttcatta  
300gatgatgtgg ctgaaactga ccgcaaggag tatgtcactg ttaagatcag gaaaaaatgg  
360aactcaaaac tgtatgatct accagatgag ccttttataa g

401

&lt;210&gt; 2563&lt;211&gt; 391&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt taatacaagt aaaatactta agacagtaca tggcacatag taaatactgt  
60ttaaatatta actgcaatta ttattattat catcattatt gcagtctgag atatctggcc  
120tgaattttatc aagttaggaa gctctgtcat tgcacagaaa taccttgctc tcaggagagt  
180cactaaccga agtgcttctg taaacaaggg acataagcag agaaggggta tgtaagtaca  
240gaaaactcat gattacctgg ggaatagtta aatagatttt aggtattagn tgggtttttt  
300ttcctctctc tctctttggg ggaatttttc tgtttactga gtcattcttc attaaggggt  
360gaggtgtcaa aaattagaca aaacaaacta g

391

&lt;210&gt; 2564&lt;211&gt; 394&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggcaatggcg tgatctctgc tcaccgcaac ctccgacctc tgggttcaag  
60agattctctt gcctccgctt cccaagtagc tgggattaca ggcattgcgc accacgcctg  
120gctaattttg tatttttagt agagatgggg tttctccatg ttggtcaggc tgggtctcaa  
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240agccaccgcg ccggctgcct taaatctatt tatctgacgt tcccaactag gaaatttttt  
300gtccaaatga gtatatgtga ttttaaagta gaaatcgaag gtaaaatagg atttatctca  
360gntcctatct ccttcaatc tattcttcat attg

394

&lt;210&gt; 2565&lt;211&gt; 393&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggta atcccagcac tttgggaggc cgaggcgggt  
60ggatcacctg agatagggag ttcgacacca gcctgaccaa catggagaaa tctcgtctct  
120actaaaaata cacaattatc caggtgtagt ggcgcatgcc tataatccca gctacttagg  
180aggctgaggc aggagaatca cttgaacctt ggaggcagag gttgcagtaa gccgagattg  
240tgccattgca ctccagctcg ggcaacaaga gcgaaactcc atctcaaaaa caaacaacaa  
300aaaaaattgc aaaatgtagt caccctgtta tgtttcatga ctctgaaagt gttatgtgtt  
360tttttaacag taaacagtca cttcaatagt ttn

393

&lt;210&gt; 2566&lt;211&gt; 394&lt;212&gt; DNA&lt;213&gt; Homo sapien

atccgttgct gtcgattcag aaactgattt tacttttatt gcagtacaaa ttatattatt  
60aagcagggtt cttgttcagc catgaaatgc agatgggctg tttaatatgc acatacatga  
120cattttttat taattttggg ggtcattaca atgagttgaa tttaaaaagt ggggttaatgc  
180tttataatat tgtattttga acaacaccac tcttattcat tttaaaaatg cccactgtga  
240cagaaatatt acaatttcat gtttagttaa gcaaaaataag caaaactggg agaatttaag  
300gtggcatctt atttactgct ttccagtagg attataatta aaaatttact gaatgaagtg  
360gtataatatt gataaattaa ctgattttct ttct

394

&lt;210&gt; 2567&lt;211&gt; 391&lt;212&gt; DNA&lt;213&gt; Homo sapien

ctgaggtcac ctcttgaggt gaggggtctgg agtgaagccc agcccgccag ggtcatctgg  
60gccacagac cacaccccgg taccgggttg caagggtctc ctgccgggag tttccaacta  
120gtcactgggtg tggctttttc tttcatgcag cgagtctgac agtgacctaa agcctgtggg  
180ggcgggaatt cagcatctcc agaagctgtc ccaagagcta gatgaagcca ttatggcgga  
240agagagtggg gacatcgtct ctctcattca tgactgagga agtgcttgca ggaaacaagc  
300cctgtctgac cgccaaggct tcatactcaa ggatgtctat gcttccccgt gagcttctg  
360gaaaaaaccc ccgggagtcg tcagtacccc t

391

&lt;210&gt; 2568&lt;211&gt; 392&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagcc aaccccgga cccctgggtg gtacgggtca ggcagacaca tgtggctggg  
60cggctgggct ggggagggga cagccgccac ctacgggtta tatttccctc tcccctccc  
120tccccgccaa gagctctgcc aggggcgggc aaaaaaaagt aaaaagaaaa gaaaaaaaaa  
180aagaaccaac ccacctctac atattatgga aagaaaaat tttggccgat ccttattctt

240ttataattat gcggggaaaa agtagaccca ttaaaccgatt ccagtgggaa acaaaaaaaaa  
300aaccctctaa acctataggg agccgtttta cgtaaaccca aactggataa aatccttgga  
360ggagttgggc caacccccac ctaaaaggcg gg

392

&lt;210&gt; 2569&lt;211&gt; 393&lt;212&gt; DNA&lt;213&gt; Homo sapien

ctcgggaggc tgaggcggca gaatcacttg aatcatagag gtggagggtg cagtgaagctg  
60agatcgcgcc actgcactcc agcctgggca acagagcaag attctgtctc aaaaaaaaaac  
120aaaacaaaaac aaccccccaa aaaaacccaa ttaacattct ttcaccccggt atttcctaga  
180ctttattttta gctataacaa gcaaaacacc tctttccatc cttctaaaag cgtgttcctg  
240aaacctcact tggagagttt tacggaaatg cagcgacagg actggaaata atgacagcaa  
300agccaaacaa gttgcaagca aaataaaaga acaaaccttg aacgacaaag ttttccccca  
360cgacctgacc gtgtcgctat aaagacggga ggg

393

&lt;210&gt; 2570&lt;211&gt; 393&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagtc tagatcacat tttatatatg ctgcatgcc aaaaaaaaaa aaaaaaaacc  
60gccttttttg gggggggggg gaaaaaaaaac caatttttcc cccttcctag aaaagtcaaa  
120acaaggtttt cctggaaaacc ttttcaagaa aaagtaaacc aggttggtt ttgaaccttt  
180ggccattttt ttttttttaa aaaagcaaaa ttccagcccc aatccttttg aagggttttg  
240aaacccccaa acccccgagg aagccctcca ttttggaagg ggaatttg agaaaaacct  
300gtttttcccc gaatttgagg aaataaaggg aggtttttt caattcgggc ctaaaaaaca  
360agggccccg tttgttctaa ccataacaa ttt

393

&lt;210&gt; 2571&lt;211&gt; 391&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggc cagggtcagc gcacgccaca gggccagttt tggctggaga ggcctctgag  
60aattttgtgac tgaagtccaa gtctgtggca tcagggtctg cagagcccag atgctgggaga  
120ggtaggaatg tacctggtga tatgaggcaa ggacagggga gctggggcag gtgatgcagg  
180cagggtggcat gaggagctgt gctgggtggg tgcggtctga gtggctcatg ttgggtaaag  
240ggccagagac ctgggtctac agggcagaca tcaaggctga gccagtcaga cagtgtttgt  
300caacactggg ctctcaccag gctccctcag gccgagggtga gcagccagg atctgtcatg  
360tgtgaggaaa gtgtctgttc aggttaggtg g

391

&lt;210&gt; 2572&lt;211&gt; 394&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gtaaaaacat ctcttaaaat aagaggagca aaatctatta aaacctattc  
60tcctgcaaag gaggcagaga ctttctctct ctcttttttt tttttggggg ccctaaaaat  
120aaaccagggc ccctcttttt aaatatcccg ggtaccccaa gcggggccagg gggttttggg  
180gtttgccctt tggggggcag gcttaataaa acaaaacctt atttttggcc ccccaaaaaa  
240ccccgcccta aaaaaattgt ttgagggggg aaaggcccaa aaaggcctgg tggtttatct  
300tccatagacg ggaaagccag ccccttcccc ttgtaaaaag ggggagccaa aatttcctga  
360cctcttgggg gttaaaaaaa ctcttacggt gggg

394

&lt;210&gt; 2573&lt;211&gt; 391&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gaatacctgc ctccatcct ggcagcccag cctgagaccg ttgcattgag  
60gcaggcagga gcggcagggt ggctgtcttc caggagccca cctgccttga gttcctgccc  
120cactggggcc cctccctgc tgggcaatcc tgggaaggtc tggaggttcc tgtggacctc  
180aggggaagcca ggggcagctg tcaggcctga ggaagacctg tggagctcct ctccagctc  
240ctctttccct cccctctggt ctccattctc ttcagctccc tacatgggct ggggaggaga  
300cacctggtgg gcagagctca ggcagagggt tggatttcag ctccctcact tccggggctg  
360tgtggctttg gcagatgtca gacttctggt g

391

&lt;210&gt; 2574&lt;211&gt; 391&lt;212&gt; DNA&lt;213&gt; Homo sapien

ctcaggccca ttagtgatga ctctgaaagc attgttgaaa gtgtttcaag gagaaaagtt  
60aaatcagcag agaaaataag tacacaacgt catgagggtta ttcgaaccac agcgtcttca  
120gaactttcag agaaaccagc tgagtctgtc acttctaaaa agacaggacc ctttagtgcc  
180cagccctctg ttgaaaaaga gaacttggca atagaaaagtc aatcgaaaac tcagaaaaaa  
240gggaagatat ctcatgacaa aaggaagaaa tcaagaagta aagccatagg ctgagatact  
300tctgacattg tgcacatttg gtgtccagaa ggaatgaaaa ccagtgcacat caaggagttg

360aatattgggtt tgcctgaatt tgagaaaacc g

391

<210> 2575<211> 392<212> DNA<213> Homo sapien

ggcacgaggg gcggcgagc cgggcgcgac cgccgggtct gtcccgacagg aggaggagta  
60ccgctggctg ctgcacgacg aggtgcacgc tgtgttgaag cagctgcagg acatcctcaa  
120ggaggcctct ctgcgcttca ctctgccggg ctccggcact gaggggcccc ccaagcaaga  
180gaacttcatc ctaggcagct gtggcacaga ccagggtgaag ggtgtgctga ctctgcaggg  
240ggatgccctc agccaggcgg atgtgaacct gaagatgcc cggacaacc agctgctgca  
300cttcgccttc cgggaggaca agcagaggaa gctgcagcag atccaggatg ccagaaacca  
360tgtgagccaa gccatttacc tgcttaccag cg

392

<210> 2576<211> 391<212> DNA<213> Homo sapien

ggcacgagag atttaaatc ttagacttat ggaataaatt tttgttgga catcataaac  
60gatcaatacc aaaagacact tggaatcttc ttttagactt cagtacgatg attgcagatg  
120acatgtctaa ttatgatgaa gaaggagcat ggctgttct tattgatgac tttgtggaat  
180ttgcacgccc tcaaattgct gggacaaaa gtacaacagt gtagactaa aggaaccttc  
240tagaatgtac atagtctgta caataaatac aacagaaaat tgcacagtca atttctgctg  
300gctggactga actgaagatc aatcctcaca attcagactg agggttgaga caaaacttta  
360aggatacatc ttggaccata tcgtatttca t

391

<210> 2577<211> 392<212> DNA<213> Homo sapien

ggcacgaggg actaccgaga ttggagcatg aatctttacc acgactgcag tgcccttga  
60cccttggcct gtgggtgccc ctacacctgc tgcacagga acacgacaga agttgtcaac  
120accatgtgtg gctacaaaac tatcgacaag gagcgtttca gtgtgcagga tgtcatctac  
180gtgcggggct gcaccaacgc cgagatcatc tggttcatgg acaactacac catcatggcg  
240ggcatcctcc tgggcatcct gcttccccag ttcttggggg tgctgctgac gctgctgtac  
300atcaccggg tggaggacat catcatggag cactctgtca ctgatgggct cctggggccc  
360ggagccaagc ccagcgtgga ggcggtaggc at

392

<210> 2578<211> 392<212> DNA<213> Homo sapien

ggcacgaggg ttgatattg agatctctc ccagaagagc aatggagggt cgagcacgca  
60cgcattgatg ccaagcaccg tggccatgaa gctatgatg ctgaaatgg cctcatcctc  
120atcgcaacct tgggtgggtgc ccagctgctc ctgggtgcagt ggaagcagag gcacccacgc  
180tcctacaata tggtgacct ctttcagatg tgggttggtc ccctctatct cacagtgaag  
240ctgcaactgg ggaggttctc agtgcctctg atcttgggtc ctgctgtcac agccttctgt  
300accttccgag ccacccgaaa acctctagta cagacaaccc caaggttggg ttataagtgg  
360gtcctgctaa tctataaaat cagctatgcc ag

392

<210> 2579<211> 384<212> DNA<213> Homo sapien

gcacgagaca gtttatattg acctataacc aagaggcagg ttcattatgt ttaattgcat  
60taaaagataa aagaagtaga gaaattgaaa ggaaaaagag ccagagatt gttacctttt  
120tatcaagcaa cagcatgccaa caaactttgc ataaataaaa aataataacc tgagcctttc  
180atcttgggaa tctaattgaaa taaatgtgtg ctgttttccc cattagccct caccttagcc  
240agcccttaca ttgtggacag aggagtgatg tcattatttg tgagctagat gactgggtca  
300gtagggtgccg tgtgggttct aagaagattg taggtcttgc cattgcgtct tgtgtctctt  
360gctgtacagg tggaaacatc tgtg

384

<210> 2580<211> 385<212> DNA<213> Homo sapien

gttgctgtcg ggtttggcct gtgggttttt aagtgggtat tgaattggta tcaggagatc  
60ctgaggctgg taggggaagg tgattcttct taagttacct ctgtattttt caagttttct  
120ataaggaata cacatacacc cacatgcaca caccatagtt tttatacaaa cagcaataac  
180aaaacaaaa agatgcccct tttttttagg ggataagaaa tacatttggt ttatacttct  
240atgctatatt ttgctattca aaatttagtg ggcattactt aacattggtt ctaattattt  
300tgtgggtgct gtatgtttta tgtgttggga gccattgta ttaggccgtt cttggattgc  
360tataaagaaa tacctgagac tgggt

385



<210> 2581<211> 388<212> DNA<213> Homo sapien

cgttgctgtc ggtgatctgg cagtacatat attcctagta aattcaatca ttcattcgtt  
60cattcatgca gcatgaattc atatttcccg agcttatggt atgcacaata ctaggaaaag  
120ttcaaccatg agcaacattc cttacatctt aatggaggga aacagagctt aaacaaatga  
180ctacagattt ggaaggaagc agtgctgtaa ggaaacctga agtagtgtaa agagagaaaag  
240cttagtgagg aaggcccttt cttttcattt ggtgtcttgt tttctactct tgctcatgaa  
300atgttctgag tagcttcaaa tatgttttaa attgaattgt gtagagtcca gtacctctga  
360gaggtaactg agtcagcta ttctaggg  
388

<210> 2582<211> 384<212> DNA<213> Homo sapien

ggcacgagga tacaagtgtc tccttgtcat aacccaagag caaaagcagc cttcacttac  
60tgtcccatga acaaaaaatt ggatcttttc taagcaacag aacttttagat ggcaagaca  
120aagctggcct ttgtccagat gaagatgata tgggaaggaga ttctttcttt gatgatccca  
180ttcctaagcc agagaaaact tacggtttga ggaaggaacc taggaagcaa gcaggaagtc  
240tggcctcgct ctcggtatgca ccccccttaa aaagtggact cagctccctg gcgggagccc  
300cttcttttaa agactctgag agtaaaaggg gaaatacagt tttgaaagat ctgaaattga  
360tcagtgataa aattggatca cttg  
384

<210> 2583<211> 156<212> DNA<213> Homo sapien

nnctctgatt tgagaaaagg gaggagggga agatagtctg aatggaaatc tgaaatacgg  
60aatgttttag agaaatatgt cacttgcata tagaatgttt taattgaggt ataaaaaat  
120gagacaaagt gaaaaagaaa ttatattcag atagg  
156

<210> 2584<211> 389<212> DNA<213> Homo sapien

cgttgctgtc ggaagccggg gccggggctg cggggcgagt tgtcggccct gggccgggag  
60ctggagtccc agactcatag gtcccgccc agccccgaa gagccgctc agccggggg  
120agttgctcgg actcaaacgt ccagtcctcg tgcgaccgcg ctgggtcggga agtgagcagg  
180ctgaggccac catggagcag tgtgcgtgcg tggagagaga gctggacaag gtctgcaga  
240agttcctgac ctacgggcag cactgtgagc ggagcctgga ggagctgctg cactacgtgg  
300gccagctgcg ggctgagctg gccagcgcag cctccaggg gacccctctc tcagccaccc  
360tctctctggt gatgtcacag tgctgccg  
389

<210> 2585<211> 386<212> DNA<213> Homo sapien

cgttgctgtc gcttgtttca aaattgcacc tgggcatttt aaagtaaata ggatgcaaat  
60ccttagttgg cctcttgtgt acattaactt cagagtgaag aatgaatatg taagacagt  
120atgggggatg gggagttgag caaggaaaat aatttcata atggtgtttg ctccctgggt  
180aaactgaaac ccagcctgtg tgggtggggc cttgtttcca aacgtcagcg ctgctgcccc  
240cgaaggcctg caccaacgca cggtgcctc cgggcccgc acagaggccg gcgtctggcc  
300aggagcaggg gctggggaca gcaagtgtga aaccagctga agcacctgca gctcaagcgg  
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386

<210> 2586<211> 385<212> DNA<213> Homo sapien

cgttgctgtc gctttccaaa tactgtatt ttcttcaagg tgttttttt ttgacatcta  
60ctttggaagt ttgattatat cctgaaacct aaaatcacat ccttattgat tctgagtctg  
120ctaaaagtta tttcaactaa tttgaatatt atcgcaaaaa gtttacttga gaaaacaagt  
180tgaaattgaa attttgactt gctaaaatta cattttttta acggtagttt tgaatgacat  
240tctaaaggta atttagttgg actttgtgtt tatatggcca atttggggaa tggccctgta  
300tgttttttgt aatgccataa tgggagctgc agtggtgtgc aggtatcaaa aagcttccca  
360gttttcatgt tagtaaacctt ggaag  
385

<210> 2587<211> 387<212> DNA<213> Homo sapien

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60agagcggagg gaaggccgtg gacgagcggc agctgttcca cggcaccagc gccatttttg  
120tgacgccat ctgccagcag aactttgact ggcgggtctg tgggtttcat ggcacttcct  
180acggcaaggg gagctacttt gcccgagatg ctgcatattc ccaccactac agcaaatccg  
240acacgcagac ccacacgatg ttctggccc gggtgctggt gggcgagttc gtcaggggca

300atgcctcctt tgtccgtccg ccggccaagg agggctggag caacgccttc tatgatagct  
360gcgtgaacag tgtgtccgac ccctcca

387

<210> 2588<211> 384<212> DNA<213> Homo sapien

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60gaggagagtg agaaggccat gcaggagcgg gtgcagaggc tggaggcggc gcggctgtcc  
120ctggaggagg agctgagccg agtgaaagca gcggcactca gcgagcgtgg ccaggctgag  
180gaggagctga tcaaggccaa gagccaggcc cgccctggagg agcaacagcg cctggctcac  
240ctggaggaca agctgagact gctggcgcag gcacgggacg aggcgcaggg cgcttgccca  
300cagcagaagc aggtggtggc cgaggcccag acccggttca gccagctggg cctgcaagtt  
360gagggcctgc ggcggcgcct ggaa

384

<210> 2589<211> 389<212> DNA<213> Homo sapien

ggcacgaggg caagtggatga agatgagatg ataacaatgg ataatgcaga agaatatgtg  
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120gatgggttta ataaagtttt tccaatggag aaattaagtt ccttcagcca tgaagaagtc  
180caaagtattc tttgtggaaa ccagtcacca tccctgggcag cagaggatat tatcaattac  
240actgaacctc agctgggtta tacacgtgac agccctggtt tccctgaggtt tgtgaggggt  
300ttatgtggca tgtcttctga tgaaaggaaa gcattcttgc agtttaccac tggttgttca  
360actctacccc caggtggact ggctaacct

389

<210> 2590<211> 379<212> DNA<213> Homo sapien

ggcacgaggt tcataccaac atttattaag acttattttt cagtggctct caatcacaga  
60acaattaagc aaccatatac aatttaacat acctgaatat gagaaacaca tttaaattca  
120ttgtttggatt aaacacattt caaatggaa agacaaatat tttatttact gacctaaaac  
180aacactacct atgaaattca tgcactattg ctttcagatt acttacagga ttatatcaat  
240ttaacatttc tttgtgagat taagcatttg aaatccatag tcagagaact attttaata  
300tgagccacta attaacaaaa tatacatata gcttctacat ttccatcagg ttatgtattt  
360tctagagact acatgacct

379

<210> 2591<211> 379<212> DNA<213> Homo sapien

cgttgctgtc ggctagagtg aatgagcctc aagaaaatga cccaaggagt tgactcagga  
60tggtttacag actgatttag aaaaccagaa cggatttcat ttctaattgga gggggccaga  
120gatgggaaaaa tttcttggtc agtccgggga aacacacctc ggtgctggtg atgggcttat  
180gaaggaagct aagcacggct gctcactggc cccactttg tttcttgggt aattcacagg  
240ggaattccca gtactgtcat ggagcagagc aggcagtggg tgctgatgtg tgtgcatgag  
300ctgtatgtac acatgcatat atctgttaca gaagatactc ctggcagtga ggtgctaagt  
360catcactgag gctgtgtgc

379

<210> 2592<211> 380<212> DNA<213> Homo sapien

ggcacgagga gggcttgagc cctcagccc agcgggggtc ccttttcatc ccttctctga  
60cagattgctt tgtaaacctt ctaggcctt cccccacc ctttgcccca gtgctttaag  
120cccttctttg tcttcttgct gtttctttta ttcttcacgc ctgcggggcg ggggcggggt  
180ggcgcccagg acgactcccc gggctcagct tggctgctg cctccttctg taagtgtttt  
240ttttttcttc acctgggacc ctctanaggt tggaaagaga agagaggctg ggagcggatg  
300gaaagcatga ctgcatctgg agcccctggg gggagtgggg aagagggagt ggaaggacag  
360tggctgaggg gcttctgtt

380

<210> 2593<211> 381<212> DNA<213> Homo sapien

cgttgctgac ggttttaaag agatgagctg agaaagaaat gtggaatgga gtatatttga  
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120gtaaaccaag agagtagaaa tatacccatc ttattttaag ttgggtttat ggcacgctc  
180atatatgtaa aagcactaca aactctttaa agaaaattgg gaaactacag agaagtcaaa  
240gaaaaaaaaa agtaacccat atttctattg cccaggcata atccttggtt aaattttggg  
300ttggcctcct ctttttcccc caatatagtt gcaataaat gatgtcttcc agagttgaca  
360ttaatcctgg agcttgaatg g

381

<210> 2594<211> 380<212> DNA<213> Homo sapien  
ggcacgagcc aagactcctg tatgtaattgt agcagctacc tcagctgggc cctgtggtga  
60aggaacagag ctgacatctg agcctcaaaa atccagccca tttgtaacta gaggaccaga  
120atatacctccg cattctgaaa acattcagta ttttcaagat ccaaggactc agataccctt  
180tgaagtccca cagtaccac agacaggata ctatccacca ccttctctc tgttcagtgt  
240aaactttctt gcggtttct cagagagtgt gagggtgaca aactttgaag aagatcatct  
300ttccctattat tctccctggt cttggggcac catcggtcc tgtataaatg ccattgattc  
360agagcccaaa gatgtcattg

380

<210> 2595<211> 382<212> DNA<213> Homo sapien  
cggtgctgtc gctgctgaac tgttttttgt gcttctctta agcttttctt ttgggtacaa  
60agtttcttaa tttttcattt gagatttaatt ctctgcttaa tttatttttt taaaaatata  
120atgggtcaact aaatgtttcc ttatgaaagt gaaattggga aaagtcaaga taaatcctag  
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300ttatggcaca tatgctggag ccaaatctgc cattaataaa attctcacat aattccctac  
360attcatttat ttcactaatc at

382

<210> 2596<211> 379<212> DNA<213> Homo sapien  
ctccttcaga accccaccca gtgttgagga agcttcggtc cattaataac tataacccca  
60aagattttga ctggaatctg aaacatggcc gggttttcat cattaagagc tactctgagg  
120acgatattca ccgttccatt aagtataata ttgggtgcag cacagagcat ggtaacaaga  
180gactggatgc tgcttatcgt tccatgaacg ggaaaggccc cgtttactta cttttcagt  
240tcaacggcag tggacacttc tgtggcgtgg cagaaatgaa atctgctgtg gactacaaca  
300catgtgcagg tgtgtggtcc caggacaaat ggaagggtcg ttttgatgct aggtggattt  
360ttgtgaagga cgttccan

379

<210> 2597<211> 375<212> DNA<213> Homo sapien  
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60gcaattatag cagtaaatgt agcaaataca aagccatatt gggcttggtg aaaatatctg  
120taagataaat tccttgaaat taaaatgatt acgttctctt ctgtggatct tagctggcac  
180attccccctta cacacatttt ggcacctctg ccttctttct gcctctcatt ttctgttctt  
240actacttaat gccattttgc ttccatcttc tgtcactact gcctctactt ccacttaagc  
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360tggttcattgc tttag

375

<210> 2598<211> 378<212> DNA<213> Homo sapien  
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60cacatactaa cttttcagca tctggattcc ttatatatct tttctctcac catgaacagt  
120taagtgtagc agttcaaagt tccagctctg gaggcagagt cctgactctg ttaggcaggt  
180tcttaattct aactataaaa tgaagttaca aacattgagt gcctcatagg gccagtgtta  
240agattaaatg aaataaatat aaaccatttg gcatgggtcc tggagcgtgg ttaagtgtc  
300agtacgatga tgtccctgag atcagagatg tgccttagat atctttttga ttcagtacca  
360tcacataacc tcagagag

378

<210> 2599<211> 374<212> DNA<213> Homo sapien  
cggtgctgtc gcctagttag tgttttaaca tgaatgtcta attcatggcc aatcttattt  
60catctgtact tctccacat cccattctt acaaaattat tttatttaa aagaacatt  
120tttaactttt tatttttaaa atttgaaaat taatgattaa aaatgttact tttataaaag  
180tgttaatatt cagtatttaa aagataattt taaaaataac cacaatacaa ttttctacc  
240taaaaaattt taatgagttt cttagcaaat atccaagcca tttttgtatt tctctgatag  
300ttttataaat ctgtatgtat gtgttttagtg acttttttga attaagattg aaataagatt  
360cataaaatca ctat

374

<210> 2600<211> 375<212> DNA<213> Homo sapien

ggcacgaggg gagggcccca ggaggggtctc aggcagcttt gctgggagtg tccacatcac  
60cctgaccccc gtgaggcctg acaggacccc acgccagcc agccaggac ccagcctccc  
120agccaggtcc ccctccccac ccaccgcag gagactggcc gtccctgcca gcctcgactg  
180ttgtgacaac tggcttcggc cggagccccc tggccaggaa gcccgagtgc agagctggaa  
240ggaggaggag aagaaacccc accttcaggg caaaccaggg agacccttgt ccccggccaa  
300tgtccctgct ctgcctggcg agacggngac ctccccagtc aggtgcacc ccgactacct  
360ctccccggag gatat

375

&lt;210&gt; 2601&lt;211&gt; 377&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt cctgtccgt gtcattatca agcgtaata aagcactatg gcaggcacca  
60gactacaggc ccttgggaac agccttctga gccagcattt attcacactg cattaccgtg  
120tcctccatgt caagtcccta ttcctacgga atgacttggg aaacatgagg tgagtccact  
180accatgccat gctgcaggac cctactcttg tataagagtt tgtggaagaa tcttgacttg  
240tcagaatcac acatgtatga cagaatgcca caaagtaact catgctgatg gctgcactgg  
300ataaaacaag gctgtgccag aatgccttca ttgtgaggaa gggagctcca agtcacggcc  
360actaggttgt cttcacc

377

&lt;210&gt; 2602&lt;211&gt; 372&lt;212&gt; DNA&lt;213&gt; Homo sapien

gtgggcatgg tgggtgtaac cgacctcaag gtggccacct ccctgctgct gctgctcttc  
60gccatcttca tgggcctgcg ggctccaag atgttcgggc agcggcgcaa cgcgcaggcg  
120ttggagctgg cgcacatgct gtactatcgc agtacgtcca acaactcgga gctgctcagc  
180gccctggccc tgcgcgcgca ggacgagcac accaaggagg cgtgctggc tcacagcttc  
240ctggcccggc ggccaggggg cactcaaggc tcgcccgaag agacctccag gtggctccgg  
300tcggagggtgg agaactggct cctagccaag tcaggctgtg aggtgacctt caacggaact  
360cgggccctgg cg

372

&lt;210&gt; 2603&lt;211&gt; 371&lt;212&gt; DNA&lt;213&gt; Homo sapien

ttcaattccg tgctgcttac attttctatc ctttatagga ggccgagctg cagggggggg  
60cctgtcttct ggggggagag ggtcctcaaa ggagcggagg cagctggaga cccctggagg  
120aatcttgca ggtggggac gtaagacagt cccatggaac aaataagatg gaaacagctg  
180caacatatat ttttccctt tagagatcca accttattcc atttataata aactgagaag  
240ttctatatca aatataactg cctgtaacat tttaaattgc ttcaatctga gtttaacacc  
300cacctttcct ttcattctt agcaaataat cttaaagctg tatctaact gcagtcagaa  
360aaattacaat n

371

&lt;210&gt; 2604&lt;211&gt; 353&lt;212&gt; DNA&lt;213&gt; Homo sapien

tatctgctgc gagaagacga cagaagggtg ggtgttacga gattgggaga cttttctcag  
60catatctaac agaagagggt atccgagggt agagtgtgaa gcctgggcaa gggttgggag  
120gcagttctaa tactgaatgt tctgactgtg gtttactatg tatttcaggt tattttgttt  
180aatctatcca gtaatcctt catgtaacaa ttatgatgtg tgtgttttag gtggggctac  
240taaggctagt aagtagtgag gctggattta aacttaagtc tccagcttcg tggcccagg  
300cttttatact tgactccaca ctgggcttat taagtgaatg acaaggagtt tgg

353

&lt;210&gt; 2605&lt;211&gt; 342&lt;212&gt; DNA&lt;213&gt; Homo sapien

actacggctg cgacaagacg acagacgggc tagctaacgg tcgctccacc catagaaacc  
60aaagtttttt tggcgggtaca gggaaattat aggatgttac tgtgcccccc acccccatta  
120ttagctgctg tatccgcagt gacatgacca tgtgtccttt cttgatgggc taagtaccag  
180cagatgcag catcagtgt aactcaagac aatatctgaa ggctgggggt gctgcttttg  
240ttcacatttt ttttttttaa ataggaaaaa aacttggaag cttgcagaaa tcttctgtg  
300acatttttatt ggctggatta taccacatgc ttatttctat ac

342

&lt;210&gt; 2606&lt;211&gt; 335&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgct agaagacgac agtagggctc atgaggaaga ggaggaaaag agcattaccg  
60ctgtttgtca catgaggatt catttgcaga tagtatgaaa atggaggcaa ttttccagt  
120ctcaagaatg gtaaaaggca cagggtgggac ttgaaccag actcttggt tcaagtccag  
180agtttttctca tgcaccagct acccctcaac aggatttgac tatcctgcag taaccctaga

240ggaagtttag tccttgggac gcttggcctg ccagtctctg aaaaaaatat gatgggggatg  
300gtggtggtgg tagtgcacgt tgggttgagg ggaca  
335

<210> 2607<211> 331<212> DNA<213> Homo sapien

ttacggctgc gagaagacga cagaggggat gagccactgt gcctgacctt ggttatcatt  
60cttgagaaaa gtttaaacat gccatataaa tcaaatatt gatgacatta attaatagca  
120cttaattctg actttgactt tttttcaatc ccattagttt actttcattt cttacctaaa  
180atttgtttag tggtaatatg aattctgaac ctaatatatc atcttattat tttctgctca  
240atgtgtaaca ctagtctgac tattttattc tttttttttt tttttttttt tggaaaaaag  
300tttcacttt tggccagggt tgaaacgccc g  
331

<210> 2608<211> 457<212> DNA<213> Homo sapien

attgcgatat gtcantcgnn nntcgtcggg tcccatggac gggaattctg cagcagaggt  
60agcacagcca acggaatttg attgaaaatt gaatttgatg aaaatgatgg gccaaagcaca  
120gtggcagatg cctggagagc cctcaagaat ccagcattg gggaaagcag cattgaaggc  
180ctgactagtg tattgagcac tagtggaagc cctacagatg gacttagtgt tatgcaagggt  
240ccttacagcg aaacggccag ctttgcagcc ctctcagggg gcacgctgag tggcggcatt  
300ctctccagtg gcaagggaaa atatagcagg ttataagttc aagccgatgt ccaaaaggaa  
360attttcccca aagacacagc cagtcttggg gcaattagtg acaacgcaag cactcgtgct  
420atggccgggt ccataatcag ttctacaac ccacagg  
457

<210> 2609<211> 429<212> DNA<213> Homo sapien

ctggacattc aggaggcaag ccaatctttt ttatttcctt ataaaattaa ctcttcaaaa  
60gccgttaaac agagagttat ctttaattttt attgcagtag gaggaaatat atttaaaata  
120tttgtagatt tatagcaaat agagactcgt tttttaaaag ttaaataaca atttgttctt  
180ttgttgttt tgccagttta gggcagaagc tgcttttgct ataaatatct tctaccaca  
240tcaaaaatgc tgcttttaaa atttttgttt ataaattgag aaggaatttt ctctctataa  
300gattgctgca ttgaacagat caccattaaa agaataatta gaatccagca tgaagataat  
360ggctaataaa aatgaggtag atactctata acaccattaa tcagatttga atgaggaatg  
420cttcccacc  
429

<210> 2610<211> 425<212> DNA<213> Homo sapien

tgatcgagg aaccaccca gcttgctcgc ttggctcttt gccgaagcg gcctacggct  
60gcgagaagac gacagaaggc ctgtaatccc agctacttgg gaggtgagg caagagaatc  
120acttgaaccc gggaggcggg ggttgagtg agccaagaca gcaccactgc actccagctt  
180gggtaacaga gcgagactct ctcaaaaaaa gagcaacaac aacaacaaaa aaaccatag  
240ccatattggt tgagtaagga aagacagagt tgctatttgt tgagatgggg atgacagtga  
300caagagcagg cttgcggttg tggaaagtgc aaatgtaagt gttcgatttt ggatatactt  
360aatttgaaac gtcattatac aaccaagtgg agatcttgca tgtacactgg agatacatgg  
420caaaa  
425

<210> 2611<211> 420<212> DNA<213> Homo sapien

caggtagggg ggccaccttg agtgggtggc ccagagactg cctcagggct ccaaggtaac  
60gggggtgctca ggttatcttg ggtgctgccc tcccagggtc tgggggagca aaggctgggc  
120gctggcccaa cttacaggaa aactcacct ttgaactgcc attggcacca tctgggcagt  
180acacagcccc acccagggcc tctagttctt gttctcggct tacaatcttt gtgtttctgc  
240ctgagaagcc actgcctcct agtttgggt ctctacagat atagccagggt tggacttccg  
300gctccgtcct ttgataactg cgtgctcttg ggcaaatte ttaacttgca ggttcttggt  
360aggataacat gagttaattg agggcactta aactacctg gcacagatta agtcatctg  
420

<210> 2612<211> 419<212> DNA<213> Homo sapien

ggcagagaaa caagctgaca ttatgactg agccagaagc ttctcagact tgcccagagt  
60tacacagcaa gtccagggtg tggctgggaa ttcaactcaa ggctgttgga ctctgaagct  
120tttgggtttt gtttttttct ctcactaca cagtactgca tgccatgtga gcaagatccc  
180gacacagaat gaagtaacca gtatctttta ggcaacaag cagatcagta gaatctgatg  
240atttcagggt caaagaaaag aataatttta atgcaatccc tcattaccac agccatggca

300ctggcctcat atgggtaagg agatttgggc aaccttttgc aggctgatga aattttggag  
360ccctaaattgt aaagttactg ggcctccctg ctgggtanaa ttcttttga atttctgag  
419

<210> 2613<211> 420<212> DNA<213> Homo sapien

ggcacgagga gagaactagt ctcgagacta gttctctcct cataaagccc tccggcttga  
60ggagagagtg tatagtcattg ggttctgcct ctgtgccctt gctggccgct tctcctctgc  
120cttcttttcc ggaactcagg gtgtggggac tgagcctgta ggggacagca tgccgtcttg  
180ctgtggccac tcccaagtgt gccctcttcc ctctttacac atcaggtgtc tctggcacag  
240gacttggcac taagctccat gctgagacac caggctatgt gggccccccac cttgtttccc  
300agcctgcacc ttagaagccg aagggtgcttt catcagaacc ctaaaatggg cgttgaaggc  
360gcctggggccg cagcccagnc agtattggag aggcaagcag agggcagtggt gtctcccaaa  
420

<210> 2614<211> 414<212> DNA<213> Homo sapien

ggcacgagcc catctcctgt tctcacaatg tagcaaaaac ctctacagtc attgtcttca  
60aaagtgcagt cattaacaat taaatcaaat agctctggta gtactgggtg aggggatatg  
120cagccttctgt tacgtggttt acctaattgg cctactcatg cttttagttc tcttccagaa  
180tctccagatt ctacagttga ccggcagaag tcatcactgt caaataattc cctgaaaagc  
240tcaaaaaatt catctttgag aactacttca tctacagcaa cggctcaaac agtgccaatt  
300gatagctttc ataacttggt atttacagaa caaattcagc agcattcatt gccacgcagt  
360agaagtcgac agtcaattgt ttccccatct tccacaacac agtccttagg acag  
414

<210> 2615<211> 414<212> DNA<213> Homo sapien

gacaacttga gaaacaaatg agaagcccaa ggaactgtga gcaattaaaa gcaaaccgcg  
60acaccgtgtg tctccaccac acatagtgtg ctttgggaagc acaacgtcca ggctgggtacc  
120gcagcgccat gcccttctct cgctcattc ataggacact tctactgccat tttctattca  
180cataaaaagaa aaataaatgt ggaaatttca tccttggaaa aaaaaaaaaa aaaaaaaaaa  
240aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaanaan nnnnnnnnt tggggggggg  
300cttttttttta aagcacccag aggaaaaata gcttgggggg ggtgtgcccc accccccaaa  
360agagggggggg gaaaaaattt ttttttttg gaaaaagggg gccccctctt ttct  
414

<210> 2616<211> 402<212> DNA<213> Homo sapien

cgttgctgtc ggtatatact cagttcccaa aagtggagtg ggtacctcta ggaagaaagg  
60aggtggaagg gaaatgttac caagcatggt agttaaagga tacttcaatt ttgtatctat  
120ttcttattaa aaagaaacat tctaagtaaa cataacgaaa tattaattct ggggtgggtgt  
180aatatttgtg ttcattctat cattcgtgct atttatttcc ttaaacttct gaaagttaaa  
240aagtccagat aggagtggg aagctgtaca tgaaacataa tggacttaca ttctagtca  
300gatactaata ttctgtagaa gatatttcta aaatcttctc tttaaaatat gaaataattt  
360ttaattgggg tggcaactta cattcaatta aaataactca tn  
402

<210> 2617<211> 409<212> DNA<213> Homo sapien

ggcacgagat tacatagtga catatattat cttttcgtcc acatttgata acattgctaa  
60tatttttctt ttttttact gaagctcttt gaatttaaag ttttctctca tttaaattta  
120ttaattaaaa acataccttt actctgttcc ctttagcatt tcaacctgat gttaaaagat  
180gtgtatgctg gatatgtgtg tttgaaattt taactttcat cttgaagtat ttaattctct  
240gaagcagtgc atgactcttg ctcttcagcc tcttgagagt ggccctggtt tatattcctg  
300atgatacaaa ccctggaatt tcttgtctga agtggttaaca ctttatttcc aggtccta  
360ttgatttgaa tagtggaagt tcagattcaa tgcattaatg acagattcn  
409

<210> 2618<211> 406<212> DNA<213> Homo sapien

ggcacgagga aatctatgta gttaattctc ataaagaaat cattttggat aattttaa  
60tggtatttagt ggtattctct tacggctctta ctaaactttg ctgtaacagt aatgctttgg  
120ttgctttaac taatcctatc attaaaaatg aaaatgattt tgctttttta tttgcgcaag  
180tagcactaaa gatagaagct taattaatga aagctaattg caataagggg tagatagagt  
240agtatatgtg ggggtgggag ggtatgggag tntnanntnn ntnnnncnact gatgttctgt  
300gttattggaa tgttgaacta aatttaatat agctacttaa tatagagcgt ttctgagaca  
360aattattacc gatgatgatg acctaggtgg aaactttcaa ttacat

406

&lt;210&gt; 2619&lt;211&gt; 402&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt ctgaaacagc actcaagcta tctttccttt tctcattctg ttttaatttaa  
60aaaggcaata gtaatagagc atttcaaacc actttgttgt ggatttataa ggatgtttct  
120tcgttgggac aagtcattcc tctgtggag gaacactacc tcatttttgc attaagaaaa  
180tagtataaag tttctggtga aagattagac aattattctc attcatggat ctacaaggcc  
240atcatgtcaa aacatttatg aaaatgttcc gtccctccct tttccaaagg ccagaagttt  
300accctgtat gtggcaggag atatgagttt atccttggtt ttattatttg ataaatggat  
360ttaagttaaa atatattgca tttagcaaaa ttatagtata an

402

&lt;210&gt; 2620&lt;211&gt; 412&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc gtcctcaaaa aatgatata gttcccaaag agaggtgtca gtgtcttgaa  
60ccgtcaagtt caagaggcca tcagactcaa tatttactca ttccttcattg aaataagtac  
120ttaacaaaaa gctgctgcat gccaaagtcac tgtgctaggc attgaggatt cagctctaca  
180cagggtgtc ttggtccttg ctatctttta gctaaaatgt agacacataa ataaacaatt  
240acatatagtg tgacacattc tacagtgggg gaatccaggg ttctcaggca gattgtagga  
300gagccacttc atctagatca cttattttca gtgcttcaac tgtgttttca atgaagatgt  
360cactttgaaa ataatacttc taatttatgc ccaagtgtg ttgcttttac tt

412

&lt;210&gt; 2621&lt;211&gt; 403&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagat ccaattatct ctataaatcc cattgatttc agggaactga atttgatagc  
60caggaggcat tccactggct tcttaaagga cattatttgt tttcattttg ttttgttttg  
120atttcaattg caactcaaac aatgaatctt ccaaagatgg ttaccctcac tctacaaaaa  
180tgctaagtta atattcttta aaataaatac aagcatttct tggactagat accatcaact  
240ttaattttat ttttctcaca taaatgttaa ccaaaaacta aatgataatt tcttctgtc  
300acacagcaat tccactgttg tggaacaaaag tgttatctca agtttcacag agcaattgtt  
360caatcattcc tgttggtggc tcttttccaa atcttcgaga atg

403

&lt;210&gt; 2622&lt;211&gt; 404&lt;212&gt; DNA&lt;213&gt; Homo sapien

gattccatct actttaagtt taaaggattt tcagaatcac cttaagtgtc aaatttggtta  
60gcaggattaa ttgatatgaa ttcacttatt aaacagttaa ctcaaataac atagacatca  
120aataacagac atctgctcta gtccatgata aatgttgat agattttatc aggtgggttag  
180tttgaaaacta aatggtttac atctaaatta agggcaggag ctgtctttca gacattcaaa  
240acgcatttgt gtaaaatgac aggtgttttg tattaccagg aactcataat gacattttta  
300taattattgt cttaaatttc taatcgaagc gatttttagag tagttaactt gagatttcac  
360agccagtaaa tggctgtatt tctccagagc tctcagctcc catg

404

&lt;210&gt; 2623&lt;211&gt; 408&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc ggatttgtaa ggaaaactga ctgttttttaa ctgtgggtgct tttcaaaagt  
60ttaaaaattgc gtctgtgtgc tttttgttgt attctagccc ttatgtgggt ttacagactg  
120agttcatgtt acctatattt tattaataat ttcaaaccat tgagcccagg atatcgagga  
180tacagtgagc caagattgtg ccaactgcact ccagcctgga tgacaaagca agaccctctc  
240ttgaaaaaag aaaaaaaaaa ttcaaggcat tgaattctgg gtagccaaga aaaatggatg  
300gatgcctaaa ccacatctc cctacataac cttccaacaa aatatagaac agcaaatca  
360aatatatcta ctgttgactc ttgaacaatg tgggagttag ggatgctg

408

&lt;210&gt; 2624&lt;211&gt; 409&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagag taatgctaaa aaaatgcact ttattatcct atggactttt ccaaagtcca  
60tagctacca tagagtcatt tgcattacac atactaatag tattatttct tctgaggaga  
120tcctagctgt agctacagat atagaaaatt ctaccattga agatcttgta taaccttact  
180tcagccactg aaataattta aattataaat attacatgtg ggtttgacta tcacagaaaa  
240taaaatgatt atagatccta aaacataaaa ttcctgaact ttgcaaccat taattcatag  
300gtactactaa tactcttact acagatttta taagtacttc cacttataga cagaagagca  
360ttctcagaaa attagaatta atctaaatta tgagatagtc ttaaagccn

409

&lt;210&gt; 2625&lt;211&gt; 416&lt;212&gt; DNA&lt;213&gt; Homo sapien

tgagtgcaca cagtagttgg aaatggcagc ttgcttggtt ggaaagttgc ttaaaagtgg  
60atgggtggaa tgttccagtc actccaggtg gttcagaagt taaatccatg gcagcatggc  
120gcttgtgtcc tcctggactt gaattaagta gaaagttact acaactcagc aacaaaaaga  
180ctacacagac tgggaaccgt ggctcccgcc tgtaatccca gcactctggg aggccgaggt  
240gggtggatca cctgaggtca ggagtttgag accagcctgg ccaacatggt gaaaccctgt  
300ctctactaaa aaaacaaaaa ttatccgggt gtggtggcag gtgcctgtaa tcccagctat  
360tcaggaggct gaggcaggaa aattgcttga accccaggag gcagaggttg caggga  
416

<210> 2626<211> 414<212> DNA<213> Homo sapien

ggcacgagaa caagctgaca ttatgcactg agccagaagc ttctcagact tgcccagagt  
60tacacagcaa gtccagggtta tggctgggaa ttcaactcaa ggctgttggg ctctgaagct  
120tttgggttttt gttttttttc ctccactaca cagtactgca tgccatgtga gcaagatccc  
180gacacagaat gaagtaacca gtatctttta ggcaaacaag cagatcagta gaatctgatg  
240atttcagggt caaagaaaag aataatttta atgcaatccc tcattaccac agccatggca  
300ctggcctcat atgggtaagg agatttgggc aaccttttgc aggctgatga aattttggag  
360cctaaattgt aaagttactg ggcctccctg ctgggtaaat tcttttggat ttct  
414

<210> 2627<211> 418<212> DNA<213> Homo sapien

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60ccaattttct aagaaaagac agaattaaaa aaaaaatctc ctagtttttt attggcaacc  
120aattcagaat tgtttaaaac attgtgctgg ccaaaacaaa aaacatgttt gccagccagt  
180agtttttagc ctctgcttcc agagtgttaa ggacaggcct aaacatcctg gccaaagcttt  
240aatggatttg catttttgta ctctggatgt aagttttatt ctgcctctcc tctaagacta  
300cttttagatg tatcttctc ctcatctcta aataatctc agggattact tttcctact  
360cagtaatttt cccctgcag gcagctattg ctccagctt cacatatatg gcttagan  
418

<210> 2628<211> 407<212> DNA<213> Homo sapien

gttcaggcag gtgcttagca attttacaat tttcacaagc ttctgttcag ctccaccattt  
60cgggtgatga atgtgtcatt tacaaagaag tctgaaatgg gaagctgagt ttgaacaggc  
120tttagccatta ttcacctcaa attggacctt attatgactc aaattgaaat actaaaagg  
180ataatacatg attgtataag tggcgtgcct taatgtgatt ctttagaaca aagtgtctt  
240gagagaactc tggctgaatg tcaggtagtg tgtttttgtt tctacaccaa caaaactgtg  
300actaaccaa ttaaagcaac agccatgaat aatattggcc ctgaccttgc tgaattcaaa  
360aacaaggtta attgatcct accataaatt ctacctgagg gttttta  
407

<210> 2629<211> 405<212> DNA<213> Homo sapien

ctcttagtat aactttttaa tggcatctac ataacaccag tgctcaaatt tgaaaccttg  
60aaggctgtct ttttccatca acttgtgtga atactgactc ctccctgtt ccccttcac  
120ttgggtttac ttcttgttt ttattatatg ctgatctgtc tcccctgtta ggctgtaac  
180acttttgaaa gcagaaacta gttgtgttcc gttttttctt atctcagaaa tttgccttcc  
240agctcctggc accattctct ttgtgattaa catccagtaa acatttgta aatatgtctc  
300ttaaaatatg tatcttttta actatttata cacctccaag tggatgacat gccacatttt  
360atttcttctc agtttgttat cattctttnt gccactaga ccaan  
405

<210> 2630<211> 403<212> DNA<213> Homo sapien

gcttctcttt tgttgatccc ggcgatnctt atctcttgct gtcgaantgg ctctgcctct  
60tttgtttcag gttgtgaccg tgtatgaggn ggtctgatg taagatgaag gtgtggattt  
120atcaaagcct ttttcccag ctatatataa ggaatttgaa gagttgcata aaatgggttaa  
180gaaaatgtgc caagattacc tcagtagttc tggctgtgt tcccaggaga ccctggaaat  
240aaacaatgat aagggtgtgt agtcattagg aatcacagaa ttcctacgga agaaagaaat  
300acaccagac aaccttgga ccaagcacct cagccgagac atggatgggg agcagctaga  
360gggagctagc agcgagaaga gggaacgtga ggctgcggag gat  
403

<210> 2631<211> 411<212> DNA<213> Homo sapien

ggcacgagat gaagcccaga ttaacttttc tgtgaatatg gcctgtgaac tgttgctgga  
60attaaattgg agtctagcac aaattaagtt aatctactct gtattaatca ttgggaaaaa



120gaaaagcttc atttgaaaac agtcttttttc cttcacccac actaatagaa aaaggagagt  
180aatttggttca tactgtattc cacgtgggat gaaaagcatg ttttgctctt tgtttctggg  
240ccggtgtgat ccgtgtgttg gtgcctgagc tggaggaagg agcttcttgc agggaaacag  
300ccactggggc cacattgagg gccagttggg accttctctt ccagtcacac tctgtgtcct  
360cacgggcccc ttcacagtct agataaggag cctagtttca ttctcanaga a

411

&lt;210&gt; 2632&lt;211&gt; 413&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagct gccctcgttc cgcgccattc aggacgactg ccaggtcattc acggccccgcc  
60tggcccagca gctgcggcag cgctttatgg agggcggtc aggcgccccg gagcaggcag  
120agtgcgtgga gctgctgctg gccctgggag agcctgcgga ggagctgtgc gaggagtcc  
180tggcgacgc ccgcggccgg ctggagaagg agctgagaaa cctggcctgg ccgagttgct  
240ggccaatgtg gccagctcca tcttgagcca cattaaggcc tctctggcag cagtgcacct  
300tttcaccgcc aaagaggtgt cttctctcaa caagccctac ttccggggtg agttctgcag  
360tcagggtgtc cgtgagggcc tcctcgtggg ctctgtccac tctatgtgcc agn

413

&lt;210&gt; 2633&lt;211&gt; 402&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gcattccacg ggttttctgt gcagtattg gagcatgaca ggggaggctc  
60caaatggag gttgagctgg gtcttataga ataaataagt ttgctgggac cagagacatg  
120gggtgtgcaca gactcagagg caagaaagtt gtatgatgag ggtggggggg tgtgcggata  
180gaggttgaag cccaaaagcc ctgaaagttc agtgttgagg ctgagggtgg ggaccctaga  
240gaggcaaaag atgccagcc agatggaatt ggtggtgtga attgccagga ctggaaagag  
300cccaaatggg ggctgcagca tgggccttgg ttgaagcctc taatcctgta agggctgctt  
360tggcccaaga ggccttagaa acccggtgta agccttaatc gg

402

&lt;210&gt; 2634&lt;211&gt; 418&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt tggaaagaag aaaagaatta tagaaaatac gagtaaaata tggtttacag  
60aatacagaat acgaagatga aaagacattg aagaatcaa aatataaaga tagagctgga  
120aaacgtaggg agcagggttg aagtgaagga actttccaaa gagatgatgc tctgcattct  
180gttcattctg aaattactga tagcaacaaa ggtcgggaaga tgttgagaa gatgggttg  
240aagaaaggag agggcctggg gaaggatggt ggaggaatga aaacgccgat ccagcttcag  
300cttcggcgaa cacatgcagg cttggggaca ggcaaaccat cctcatttga agatgttcac  
360cttctccaaa acaagaacaa aaaaaactgg gacaaagcac gagagcgggt tactgaaa

418

&lt;210&gt; 2635&lt;211&gt; 409&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggacgagaca gcgagaggaa cagcgtccgg ggcgaccccc agtccaccgc  
60gggggcctgg cgcgcttggg gcaaaggccc taggagacc cttctggcca caaatcgag  
120tatgacagaa aagggccagc gggggcgctt tcttccagg gccacttgcc ggaatgtaag  
180agggacggag agacgtccgg aaaaggctgc cacgctcgga gcgctgcgc agccagga  
240cctaggccag gggagcggag acctcgtggg agcgggcagg gggaccttcc cctctccc  
300ggcttccacc caggcgctc cccgctgtga acgcccgc ccaggatgaag gggaaaccgg  
360ccacgtttcc ggacctcggc gngcacacg gtctccggtt ttcaccggg

409

&lt;210&gt; 2636&lt;211&gt; 403&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gggcaatctc catggctttt tggctgaggg tggagccaag gacatccgag  
60gtgctgtgga ggccgctcac caggctttcc ctggctgggc gggccagtcc ccaggagccc  
120gggcagccct gctgtgggccc ctggcggtg cactggagcg ccggaagtct acctggcct  
180cgaggctgga gaggcaggga gcggagctca aggtgcgga ggcggagggt gagctgagcg  
240caagacgact tcgggcgtgg ggggcccggg tgcaggccca aggccacacc ctgcaggtag  
300ccgggctgag aggcctgtg ctgcgcctgc gggagccgct ggggtgtgctg gctgtggtg  
360gtccggacga gtggccctc cttgccttcg tgccctgct ggc

403

&lt;210&gt; 2637&lt;211&gt; 389&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggaagactag catcctttt gctccctggt tggntgtgaa atacacacac  
60gcacacac acacacac acgctcgcac tctctgaga ctccgaacag agaaaaaaat  
120tattggcaaa tcaacacatt tttcttctc gtcttgagaa aatgtcttga ggtccctgaa  
180gggccaatc catcgtggac taactctgtg ggtagagctc agatgaccta gggagaatta

391

240aaccacttaa tcttggagtg ggaggagagg ggggtggggtg ggagagaata taagatgtat  
300cttangctaa gtggaatcta ttataaaagc gagagactct catctatctt tatgagagga  
360gaggggtttt aatctagggg aggcagccg  
389

<210> 2638<211> 396<212> DNA<213> Homo sapien  
tacggctgcg agaagacgac agaagggggc tcatgcctgt aatcccagca ctttgggagg  
60tggaacacct gaggtccgga gttcaagacc aacctggcca acattgctaa accctatctc  
120taccacacacac tacacacacac acccaggtgt cgggtgggtg tgccctgtaac ccagctagc  
180tacctcggga ggctgaggca caagaatcac ttgaaccggg gaggcggagg ttgcagttag  
240ccaagatcat actgctgcac tccagtctgg tgacagagaa cgattttctt tggaaatata  
300tattaaatac taaacaaggc tgggactgat cttcattgtc attcctggct gcccatatta  
360ctcaaggctg acgattaacc atttgtttta atacat  
396

<210> 2639<211> 393<212> DNA<213> Homo sapien  
cgtggctgtc ggagagcttg gatttctatt gaccttatac tggtagcaac tgtaccagct  
60aatcatgtgt cccttgagtc tgtcacgtga cctttgcttt cctctgaaaa tcttttact  
120cagtaggcca gttacacca ttataataa' ttaataaaat cactatgttt gacttcaagc  
180ttttccctta ggtttatgat tttttaaaag tattatcctt ttttggcatt taggaaggca  
240tctatttttg ttttaattgg tactttgatg taatactttt tttttctgct cttgagcatt  
300gactcccgct gtgagtata aatcagacat ttaccttttc tccccctcc tctctttatt  
360ttccatcata taacttgaaa gattatcctt ttt  
393

<210> 2640<211> 393<212> DNA<213> Homo sapien  
ggcagagac tcaattctaa tagaatctag tgcataaat tatacaaaac tagaagcagc  
60agattgtagg agaattggggg aggtgtggga gatttttatg tggaaatgaca tctgtcagga  
120aaagagaata aaaatttcct aaaagactgt catattaagc ccctttacct tttccttggt  
180ccacctcatt acatagatag atcatcattg taccagaaaa atgttaattt atattattaa  
240tgatcacttt gtaagtatgt tttttcaacc atcctaaaca cattttcaga aatgtttttc  
300tttaagggt gataagtttt aaaaattttt ttataaagag ttaggcttgt gttattactt  
360aatgaggaga acctcattcc ctattaatgt taa  
393

<210> 2641<211> 384<212> DNA<213> Homo sapien  
ggcagagga gagttatagc cttatttttt ttacattctt aggaatttat gaaaatgtat  
60gaagtgtgat gaattattaca tagaagtatt acaagcttat gagcgcctag aaatcaaact  
120atatttttgt cttttgaatt cattaaacct taaaattatt ggagttctga tttagtgtt  
180cagaactatt ttggtatttg tgtatcttgt tttggacagg gtagcatgt atttgacacc  
240cttttagccct ttaagggata ttttgtctgt gaagattttc tttctttttt ttttttttt  
300ggaaaaaaaag tcttactttg tccccagtt tggagtgaat gggcttgacc caaatcgtt  
360tccccatgcta aagaaatttt ctgg  
384

<210> 2642<211> 392<212> DNA<213> Homo sapien  
cttaaaaaaa tatatagaaa gaaagaaaat gcttttcaat tttgggcccc gccattttta  
60cttaaaggta atatccatat attcctatta gactcaccct tccctatag ctaaaattaa  
120attcttagag aagaaactta catcagttta atgaatacac agcctgtcta taccaatttc  
180ctctcttaga gtcactacat tcaaagcttg gtgggtctca atagggattt actgctgact  
240gggtaattctg ggttctctgt tgcagtgaca tcaagcaaga gatttaccac gagaagtgga  
300tgccatgaca atgcatgtaa ccatgggtgt accggcctcc ctgacatggc tctcanaagc  
360tttccctctg tgaaaacaga agcctgtttg ca  
392

<210> 2643<211> 391<212> DNA<213> Homo sapien  
ggcagagtg ataatatagt aagccaaaat tggtagtgat aggataagca agatggaata  
60agtgcagtgt tagtaatttt ctcattcttc attatgacaa gtcactcatt actatataag  
120aaatttttaa atacggtaaa atagtacata aaattacaaa gataaccacc aaaagatcct  
180agaatagact ataaaccttt ggaactatca gaataaaaac acacaataaa gaaaacaaat  
240accataggg aaaataattg tgtgtatttg tgtctttaat ttgtttgtga gtgtctttaa  
300tttatgtgtg tataacatta taaaggaaaa atataactaa acataatccg tatgattaaa

360tattttctcct atatccagaa atgtaaat t a

391

<210> 2644<211> 389<212> DNA<213> Homo sapien

ggcacgagga tacccccagc actcatatgg tttctatacc aacagttatt gatattacag  
60gagagtatgt aattagtaat gctaaaaaaa tgcactttat tatectatgg acttttccaa  
120atgccatagc taccaataga gtcatttgca ttacacatac taatagtatt atttctctg  
180aggagatcct agctgtagct acagatatag aaaattctac cattgaagat cttgtataac  
240cttactttcag cactgaaat aatttaaatt ataaatatta catgtgggtt tgaactatcac  
300agaaaataaa atgattatag atcctaaaaa cataaattcc tgaactttgc aaccattaat  
360tcataaggtag tactaatact cttactacn

389

<210> 2645<211> 387<212> DNA<213> Homo sapien

ggcacgagcc catctctact aattatacaa aattagccgg gcatggtggt gcatgactgt  
60aatcccagtt acgcgggagg ctgaggcagg aaaatcggtt gaaccaggga ggccgagggt  
120gcagttagcc gagatcgcca tatatatata ttcatatata tgtatatata cacacatata  
180tattccatata tgtatatata cacacatata ttcatatata tttatatata cctatattca  
240tatgttttca taatatacga atatacctat atgttcatat atgtatatat aatattcata  
300tatgcatata tgtatatata atattcatat atgcatatat gcatatatac ctatatatgc  
360gcacatacat attcctatat gcatatg

387

<210> 2646<211> 386<212> DNA<213> Homo sapien

cggtgctgtc ggtgaactgt gatcatccag attttggcag cttataggtt cttagttgat  
60ataaaaaaga atgccaaagc atgggtaaaa atacatgaca taactatgta aacaagtaga  
120agaacttagg gttcttctaa gtagggtcag agccaagatg agctagcaaa aaacctgtt  
180actttttttt ttttgaaagg gagtttggtt tggccacca agctggaggg caggggaggg  
240atttcgggta attgaaacct ccacctctgg ggttaaagca attttggggc ctaacctcc  
300caggaagctg gaataacggg ggcattgccac caccctgggt taattttggt ttttttagca  
360aagacgggat ttcacatgt gggcca

386

<210> 2647<211> 396<212> DNA<213> Homo sapien

ggcacgagaa aatatataac aaccaaagtg ttgtattaag ataactctta acctctgtta  
60gtagtaacat gtttcattac agtatcaa atatatagtaa aatttggtga catgaaaaca  
120cttgtggtct gtatgtctat caaacattca tgaaaaattt gaagactatc aatttggtac  
180ctacaaaaga tgatgcggtg gccatggaaa tgcattcccc agatctctc ctgtgagaag  
240cagagttagc agaaccctag ctgtacccc atgggatcta cactgtatt cctgctgttc  
300ccagccaatg agtgagaatg gcaggactat taacactgac ccagtcctct gatgggcaac  
360attggctcaa ggatttccca ttagattgcc cagaat

396

<210> 2648<211> 387<212> DNA<213> Homo sapien

gacttgctgt tcttaaccta ccaaagcagg catgtagacg cacatgtgtt ttacacacgt  
60cattggagga aggtggcaa taccagcttg gttgcaagga aagaggcaat tgagaggact  
120ccttctcaca ctgcagtaat ttgctgagt accttgaaca aggatcttaa tgcataaag  
180ctctgtttcct caaccccaa atgaaggat tggaccagat gccctcaagg ttctcaagg  
240gtcagctgtc acagttctcc aaagtgagtt ttcaggcaca catagagtta gccagtgtc  
300cctcaccagg acattctgtt ttctgaacat tgggctctg tggttgtca cataccca  
360cgggactggg ctcataacta cctgaag

387

<210> 2649<211> 398<212> DNA<213> Homo sapien

cctcaccaca gctgctgtc gcttctgacg gatcttggtg ctgaggctgc ctggctctcc  
60gagtgaggac gcagcctcca tatttggtgc actcaggcat ggctgggaca agccagctgc  
120cccagggttc tccccctggt gattctcgcc tgctttctca tctcaggga ggcagtggca  
180cctcctctc cctgctgaca tgaagagagc tatgatatgc cactgctgcc aactcatcct  
240ctgccccac ctcgaaaccc acagtcccca gtggagggcc actactcacc cccattggtt  
300tcccaggga ggggtgtgt ctggaaggcc aggttcagat gcagccttc agatttagag  
360gcactgggag gacagtggct gactggaggc gccacac

398

<210> 2650<211> 387<212> DNA<213> Homo sapien  
cgttgctgtc ggtttgatga tggatgatgat gatgatggca gtcataaact gaggagtggag  
60attcatgccca ctctacattt gaggttcttt ctccagccat gtaactctgg caatggagta  
120gaatagggag gagggggaag gtgagaacgt aggtagaaag agctgttggg caactgtagc  
180aataaaaacag aaaagagatg aatgtttgca cataggcagg ggcagcagga atgcagaagg  
240gcaggtgtca gagagcgtcc acgtggtagg acccacagga ccaggtggct gaatgcagag  
300gctgaggctg agcagggcgg ccagtatggc tcctgtgttc tgatggcgtg tagtggcgtg  
360accagccagg gtctggaaga aagagga

387

<210> 2651<211> 400<212> DNA<213> Homo sapien  
ggcacgagca tacttttact taaataatta ttataaagac ctcaaaggaa atgtatcagg  
60tgctgtaaga taatttaaca ggtggttttg cttagtttga ggggaaaaac tttaggggca  
120tgaggaatta gaaagagcta gtgaaaagaa agtgtagcag ccaaagagtt aggtgaagaa  
180acaaatctgt ggtacattaa gaaaccaaga aggaggaatt tccagagcat atttgtggtc  
240atgaaagtca aatgctgcca agatggaaaag gaagatggga gttgagactg gtttgcata  
300tatgggtgatg aaaactgttc tagaaaagtt tcaagttaat aggaccaaac acagcttaca  
360ggtgattaaa aaatgagaag gtggtgaaat cctaagtact

400

<210> 2652<211> 389<212> DNA<213> Homo sapien  
ggcacgaggc cctcactgc cctgctcaac caaagccgag gagagcgccg agggccccc  
60agtgcaggcc acgaggcact ggagaaggag gttcaggctc ttcgggcccga gctggaggcg  
120tggtgctctcc aaggggaggc tcctcagagt gcaactgagat cccaggagga tggccacatc  
180cccccggtct acatctcaca gctggtgggc gtgatcactg tgcccgtttt acagacaagg  
240ccactgagct ctgagagggt atgtgacttg cccaaggta cccgcctgc aggtctcaaa  
300gggtgggattt gagcaggggt ccggtgact gcagagcctg tgtgtgagtc cccgtgtgac  
360actctgcact tggacccttg ccccgggga

389

<210> 2653<211> 397<212> DNA<213> Homo sapien  
ggcacgagcg gctccatgc tctggcgtg gaggataccg gaggccctc tgcctcgcc  
60ggtgaaggccg aggacgaggg ggaaggaggc cgagaggaga ccgagcgtga ggggtccggg  
120ggcgaggagg cgcagggaga agtccccagc gctgggggag aagagcctgc cgaggaggac  
180tccgaggact ggtgcgtgcc ctgcagcagc gaggagggtg agctgcctgc ggatgggcag  
240ccctggatgc cccgcctc cgaatccag cggtctatg aactgctggc tgcccacggt  
300actctggagc tgcaagcga gatcctgcc cgtcggcctc ccacgcccga ggcccagagc  
360gaagaggaga gatccgatga ggagccggag gccaaag

397

<210> 2654<211> 398<212> DNA<213> Homo sapien  
ggcacgagaa acatccttgc tgtggctttc tggcctcaga gcaggtttta gaggaagggg  
60ccacaggctg cctagtgcac cctggctgtg ggcagccctc ttctggagc cctcctgcct  
120accccgctacc tcccatctgg ctgcacagct ccatacttag ccacgcaagg ggagaacatg  
180ggcagagtct ccatacagca gctgggggtt ctggtggcac tcctgtgcc cctgctgctg  
240ctgggctgtg ggtctgccct gcaccagga gcccacggt ccatacccca caccatgcc  
300agcaccaggg aggttgggca gacaagacct gggccatgcc agcctctgt gctcggttt  
360tcccactggt tacacaggat ggtcgcat ttcctgcn

398

<210> 2655<211> 386<212> DNA<213> Homo sapien  
cgttgctgtc gctccctccc aggtctgggc tgcgcagtac ctccccctgc cttagagcac  
60ccactatct ctgtaaaggc tctctctctc tttttttttt ttactaacc gagctaaaac  
120caattcctgt tgataacaac taaacaacct cattaccgga gaggacttct gtttactttt  
180tgcttttttag gttccacttt ttttttggga aaggggattt aatttgttcc ccagccccga  
240catcgactgg tataattttg tttaagagca cccttgagcc tcctagggaa acaacattcc  
300ccggctgcac cctccaaaga tttggggata acgggatacc ccccccccc cccacctatt  
360tttgtgtttt tatgaaaaaa gggcgc

386

<210> 2656<211> 399<212> DNA<213> Homo sapien  
ggcacgagcc cggacctgcc cctgcctccg accggccctg aactttgtgg ggactgagct

60tgggatctcc cccgtggccc gccccacac cgggcttctg ggaggtgggc tccagggctg  
120tggagagaag ttgggtggtt ggtgcaggca gttctgggc ttgagtcgg cccctgcac  
180ctccagtcca cactccccag gagctcacct gtcctcagg cgaactccat ggcgtaaga  
240gaagttgggt cctaaggcca agggcgcctg ggccctgcag aggagcggag cagggggagg  
300agcgtgaga cctgcccggt ggaggaatgc tgagacgccc caccacacct ctgtcctggt  
360cctcagccct gactcattgc ccggcaccac ccaggattc

399

&lt;210&gt; 2657&lt;211&gt; 395&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga aaaaagagct gttgaatgtt agatcatgaa catcagtatt tatctgagga  
60acatcctgcg gaggaatccc ttccccatt tattaacac aaaattgcc a gtgtttcaag  
120tagttctctg atcgatagac caacaactga aattaaatgc ttttagtctc aagtgccat  
180tttttattaaa atgtaattat catgaacaga aaaagcaata caaggcgtgt gttcttaata  
240attctgccat tctctttttg acatttaaag gaagagccta ggctggatgt cttgatcaat  
300aacgcaggga tcttccagtg cccttacatg aagactgaag atgggtttga gatgcagttc  
360ggagtgaacc atctggggca ctttctactc accaa

395

&lt;210&gt; 2658&lt;211&gt; 388&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gatcgggcaa cccaaggact tctcactgg catgtgcctc ttcctgcaga  
60cgctgaggca aaaacagcct gagcggctgt gtcctgccc tgccttgag ggcaacgtgc  
120tggcggaccc atttgccgc atgcggccat aactgcatca ttggtccca tgggagcctg  
180ggacctgtcg tgcgtgctga agatggtgtg tgtatccggc ggtgcacgat gctgcggat  
240gcccagatg cgtcccat actggcttga gtctgcatt gtgggctggc gctgccgct  
300gagtcaaaga gtactcatgg agaacgtgac agagctgagt gaggacgtca taattaatga  
360ggagctctac ctcaacggag acagcgtg

388

&lt;210&gt; 2659&lt;211&gt; 378&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcaccagga gagagagaac tagtctcgag agcagnnntt tttttttttt tttttttttt  
60ttttttttt ttttttttg ggggccccca aaaattttt tttaaaaaa aaattggggg  
120ggggccccc ctttttttaa aaaaggggt ttaagggg ggatttttc ccaaaaaaa  
180aggtggtttt tttttccc gggggggtgg ggccccccc ccaaaaaaa aaatccccg  
240gggaaacccc cccccccc ccggggggg gggcccccc ttttttggg aaaaaacac  
300cccccccc ccttttctt gggggggggg ggaatcctc tcggagagg gggggggggg  
360ggcaaaaaa aaacaaaa

378

&lt;210&gt; 2660&lt;211&gt; 382&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gattttccag ttgttttgc atattctgca aataaaaacc gtgtttcctt  
60ttttcactta aacttttgta ggaaacaaac taaagcagac aaacatttct tgttatgttt  
120gttgctttct ttaatccaat ggataaaaa agtaaaacc tgtaaacatt attttatatt  
180tttatgcaat accatgctgt aaatatggt catcaaataa ggatgtacct atgattgaat  
240ctttaattct gcacagttag agtttatata taaacgtgtc ttgacaatca aggactttta  
300tgtgagtcct cttttatgat gtttattaat gttatgcatt ccatttgttt tgaagtgagt  
360accaatgtgc taatttgat tg

382

&lt;210&gt; 2661&lt;211&gt; 373&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gggaacttta aaaattatgt ctgtagttaa ataactaaat gtaagaaagc  
60ctttaatata gggtagagtt attaaatagc acaattaaaa aaattttaga acttacaaat  
120acaaaggatt attattttct caaaattatt atctttattg ctataatatt tatttaattg  
180agcttttttg ttcaatgcac ttttggaatt tttctttgga aattactaca tgatgctttg  
240gacagctttt aaatatattg tatatatcca gtcccttaga ttttaaatat ttctgtttct  
300tcatcttttc ctctgttaca tgggtttcca tgtaacctct tcatcatctt ggtgtcttt  
360ttcttcta gct

373

&lt;210&gt; 2662&lt;211&gt; 373&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggttgcg agaagacgac agaagggcct tattttgaaa tcagaataat ggaaattatt  
60acaattaaaa agtcactaga aaaacagacc tattgtacaa agattccagt cttaccttc  
120tcaagtctgc ttactgattt ttctcttatg tctctattct tcccccttc ctttgccctt

180cctttctccc ttctgctctt tgaccccaaa ctcatctttt cttcttagtt tattaaataa  
240aaaccaaact atattactat caatatatct ttactatatg cagttcatat agtctcgtga  
300ttggccaaag tctaattggt cccaataggt cctcaatctt taaggcccag tccaaacctt  
360ccacaatgaa ggg

373

&lt;210&gt; 2663&lt;211&gt; 378&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggaaa cctcgtctct actaaaaata caaaaaaact  
60agctgggctg ggtggcatgt gcctgtaatc ccagctatctt gggaggctga ggcagagaat  
120ttcttaaaacc tgggaggcgg aggtttcagt gagccaagat tgtgccactg cactccatcc  
180tgggggacag agcaagactc catctcaaaa caaaacaaaa caaaagatgg catagaatcc  
240ttcttggaac cttgtgcaga ggaagagta aaaagacctc cacacggccc actctgtcca  
300ccatctttgc tccaaaagtc cctaccctgg aagtaccggc accagaagcc gtatcctcag  
360ggcactcaac gctgcctn

378

&lt;210&gt; 2664&lt;211&gt; 378&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gattcagggg tacccttggg acttgctgga ttatgggtgat ggtttttgga  
60tagtatgtgc ttcattatct tatttgggt agttacagtg ttgtagtttt ttgttaacag  
120ctacactttt ggtactatct tctttttaa ttttgggtgt ctaagattta cactaatta  
180ctaataatg cctttccaat tcaactaaaa ctttaataag tgaaatgttc aggtattgct  
240agggtaaatg tgtcttttcc tactattgag attttaaaag gctgtgatta agagagactt  
300tattaatttg atctgaaaga agtagaaacc tctatgaaac aatttttatt ttcctttgca  
360taataacctta gaaatgtg

378

&lt;210&gt; 2665&lt;211&gt; 373&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaatacgac agaagggatg agagtggagga tgacatgtga tcccatgcct  
60ccaagagcaa agccactgag gatggtgaag aagacgaatt aagtgtgga gaaaaggagc  
120acgatagtga tgagagttat gatgactctg attagacccc agataaattg ttgctgctt  
180ctgtgtctct gccagcctgc gatcattttg tgttagagtt tgaaatccgc tgtttgcctt  
240cttactggg aggatccttt tttgccctc ttttttttt ttttttttt tttaaaagag  
300ggcttccttt gtcttcccaa ggcggggggg ggcggagaac atttgggtat ccggaccctc  
360ctttccccag gta

373

&lt;210&gt; 2666&lt;211&gt; 376&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg ctggtttgtc tggggagaca gacaggatgt tgtggagctg ggggtggaacc  
60tggtatggag ggattaactc agtcatggca ttctccgacc aaaaccacac ctgtgtctct  
120ggcaggctgg ctggccttgc tcccatccct agaactgctg cctctccctg gatattccag  
180ctcaattagt gccacatatg ggggaaacga cacatcccag tgggatttcc aacactcccc  
240ctccccatgc aacaaagcaa cttactttct gagttctctc ccaaggagag gacacagaca  
300cagttgtttg ctgtgttata tgttagctcc gaacaatggg tctcaattgg cttagcatca  
360aaacacctaa ggagtg

376

&lt;210&gt; 2667&lt;211&gt; 382&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gggcagctca gggaagggtc ggagatgggg tgttcccagt catgcccag  
60gcatctctgc ctctcgggc ccacactgcc tcgccctgtg gcctgagtcc cttcagctgt  
120gtgggcctcc ctgagtgcc tgagtgggt ggcataaggg gtgagaggcc atggtgtctt  
180tggggctggt ggtccgggtc tggccatctg tcacctctca ggcgtgcagg cactaatccc  
240tccaagcctc agttggccac agtgagaagg ggcttggtaa cactgtcctg gatgccaggt  
300tgttgtgaag gtcccggctt agcctctggc aggaaggagg tgctcaggag gtgggcacag  
360gcagagggt ggctgtgggg gg

382

&lt;210&gt; 2668&lt;211&gt; 371&lt;212&gt; DNA&lt;213&gt; Homo sapien

tcgaattccg ttgctgtcgc atttcacggg tttctgtgc agttatggga gcatgacagg  
60ggagggtcca aaatggaggt tgagctgggt cttatagaat aaataagttt gctgggacca  
120gagacatggg tgtgcacaga ctgagaggc agaaagtgt atgatgaggg tgggggggtg  
180tgcggataga ggttgaagcc caaaagccct gaaagtccag tgttgaggct cagggtgggg  
240accctagaga ggcaaaagat gccagccag atggaattgg tgggtgtgaat tgccaggact

300ggaaagagcc cagatggggg ctgcagcatg ggccttggtt gaagcctcta atcctgtaag  
360ggctgctttg n

371

<210> 2669<211> 378<212> DNA<213> Homo sapien

ggcacgaggc ggatcagga gattcagaag cgcttcagag aacaggagcg cagccgggag  
60cagggccagc ccaggccctt gaaagctctg tggcgctcac ccaagtacga caaggtggag  
120tcccgggtca aggcccagct ccaggagcct ggccctgcct ctgggacaga gtctgcccac  
180ttcctgctgg cgactcccg ctgcggccct ggctccccc caccatgt atctagctcc  
240cagccaaccc caccaggtcc cgaagctaag gagccaggcc tgggggtgga cttcattcgt  
300cacaatgcac gagctgcca gagagccccc cggaggcatt cctgtctact gcaggtcctg  
360gcacaagtgc tagagcag

378

<210> 2670<211> 373<212> DNA<213> Homo sapien

ggcacgaggc ggatcagga gattcagaag cgcttcagag aacaggagcg cagccgggag  
60cagggccagc ccaggccctt gaaagctctg tggcgctcac ccaagtacga caaggtggag  
120tcccgggtca aggcccagct ccaggagcct ggccctgcct ctgggacaga gtctgcccac  
180ttcctgctgg cgactcccg ctgcggccct ggctccccc caccatgt atctagctcc  
240cagccaaccc caccaggtcc cgaagctaag gagccaggcc tgggggtgga cttcattcgt  
300cacaatgcac gagctgcca gagagccccc cggaggcatt cctgtctact gcaggtcctg  
360gcacaagtgc tan

373

<210> 2671<211> 376<212> DNA<213> Homo sapien

ttcgaattcc gttgctgtcg ggcttatctg atgtatctcc ggggtgcanga agcgggtggag  
60tccatggtga agagtgtgga aagagagaac atccggaaga tgcagggtct catgttccgg  
120tgcagcgcca gctgttgtga ggacagccag gcctccatga agcagggtgca ccagtgcac  
180gagcgctgcc atgtgctctt ggctcaagcc caggcttttg tcaccagtga gctggagaag  
240ttccaggacc gctggcccgt gtgcaccatg cattgcaacg acaaagccaa agattcaata  
300gatgctggga gtaaggagct tcagggtgaag cagcagctgg acagttgtgt gaccaagtgt  
360gtggatgacc acatgg

376

<210> 2672<211> 370<212> DNA<213> Homo sapien

tacggctgcg agaagaccac agaagggggg gcacagccct gatgatggag gggctgctca  
60gtgcttgcta tcatgtgtgc cccaactata ccaatttcca gtttgacaca tcgttcattg  
120acatgatcgc cggactctgc atgtgaagc tctaccagaa gcggcaccgc gacatcaacg  
180ccagcgcccta cagtgcctac gcctgcctgg ccattgtcat cttcttctct gtgctgggag  
240tgggtctttg caaagggaa acggcgcttct ggatcgtctt ctccatcatt cacatcatcg  
300ccaccctgct cctcagcacg cagctctatt acatgggccc gtggaaactg gactcgggga  
360tcttccgccc

370

<210> 2673<211> 355<212> DNA<213> Homo sapien

tacggctgcg agaagacaac agaagggttt ggatcatttt tttctgaaag tgggcaatta  
60tttcaaaaaca aaatggtttc aatagagcgc catgatattt ttctgacatt ttcttgaaa  
120tagttgatac tccttctgca aattttgttg acagtgttcc taggttccaa aaagaagggt  
180aacgccacta cagcaccctt gccatctgac cagcagcaat tctaagatgt cattgattct  
240aagatgcac tcaattccca agatgttaaa atgaacaaaa tacatcactt aggatcataa  
300acacatttta gttggaatag acacatttga agaccagatt tgaacaatga tcctg

355

<210> 2674<211> 361<212> DNA<213> Homo sapien

gcctacggct gctagaagac gacagaagg atttaaaaga aaagcatata acataaaata  
60aaaaagaaga ttcaatacgt aaccatagga gatacaaaac ttcaagagc aggttaagga  
120aagaagcctg agaaggaccg ttcagagaga cagcataaaa gaaaaccag aagagaagtg  
180taaatctgac gtcacaagag gaatgcactt tagaaaatag gagggctcaa tattaccta  
240cagagagacc aaataagact aaattgcaca aagttcttga ggaagtgaag actcagatta  
300tagactatat ttttgagaat attgggtatg aaaaagggtg acttgcgac tcaccagttt  
360t

361

<210> 2675<211> 356<212> DNA<213> Homo sapien

tatccgctgc gagaagacga cagaagggta cagtttacac ttttttctta aaatcatgaa  
60agcgggtttc tatcttaagc atatattgtg actactatta acagactgat ttgtgtagat  
120attaaatgct ttaagctatt ttaccttttc aagaagttgt gttttttttt ctccaagtca  
180taaccaattc ctgcaaagag gcttcccatg acttgtgatt ataaagtaga caaccaggga  
240attgcgcgag acacattttt atttaattct tttttttacg gaatgccct gagccggaat  
300agattaaaag cggttccttt cttttttcac atttaaaaca ggatggtttc tgggtt  
356

<210> 2676<211> 366<212> DNA<213> Homo sapien

cgttgctgtc gaaataatag agctaaataa tgtcctgtca cttccattat aagaaatctg  
60gattcatatc taagtgtata tgtataatac tgtacagta agagttcaga acaagtggga  
120atgtttttctc ttaatttaac tcattttgtg cttcttttac tcattcaaac acacatacat  
180tttacatata gtttattttct ttatgaaatg ctaatcttca gcccgtagca aaaagtagag  
240tggagcctct ttgactact actatcaata aatttttaaat cagttggatt tttaagcatt  
300ttttaaaagc tgacattaaa gtaaatctaa aaaaagtta acaaactggc caagacacta  
360attttt  
366

<210> 2677<211> 367<212> DNA<213> Homo sapien

ggcacgagcc ccagtcctcat cccaggagcg cctgagggat ggacgcagcc atgcaccccc  
60catctggggc ctctccctgc tccctctccc acctggcagc tgggagttct ggcttctagg  
120cctgcccctgt caccaggect ctgagtggcc aggcccttcc acctcccat ctgtaaaacg  
180aggcagctgc cggacagcc ttggggctct tagtggccct gcaggtcctc tggcagctct  
240gctgacccca cctctctccg gactgccctt ctgtcccaga ggggtcaccc tgaccggcc  
300caccttgcca ctgggctttg gactccagcc ctgacagggc ccagccacac tggctctgcc  
360cctcgaa  
367

<210> 2678<211> 349<212> DNA<213> Homo sapien

tacggctgcg agaagactac agaagggatc aacttttctta gttcaggcca cctgcaacct  
60ccttctagta gcaatcacac cccagcagc ctggaactag agtattctgc caaagcagaa  
120acctgtcac tctactcac tatataatga ttttctgtga acttaggtat gaagttgaaa  
180atcctcaact tgtcatacaa ggctctttat gttgctctg ctttagtggc caccaatcta  
240ccaccccat cactctccca ctcccaccc tacacatgca caccctctc acattcaatt  
300tcttctcct tctcctctc cgtcagcaa tactacatta ctttcaatt  
349

<210> 2679<211> 337<212> DNA<213> Homo sapien

gctactgttg ttagaagacc acagaagggg tctcaggtgt gatgcatttc tagcaagacc  
60aggctggaat ggagaggggg taaggacatc cttcattcat gaggggaaca aagagtgttt  
120cccatcccc catccctcc tcataaaaaa cttgaaaata atgcataaaa taacaatcc  
180atcaatcatg gggaaatttg aatcacatgt agcataatgc agggcatatc tgtaaaagta  
240tcagtagagg atactacaaa tccccaaag cccaccatag ccagagtgat cgtcttaaac  
300cactaatagg attacttct gaccgcctc aagcttt  
337

<210> 2680<211> 470<212> DNA<213> Homo sapien

gttctttttt nnaatcccat cgattcgaat tcggcacgag gtgcaacgct ggcaagtctc  
60aaagtgcga cagaaacatg cccctgattc agtgcctctg cttagctgta acatgttaat  
120cagaactacc tggcatcttc ctgaacaaga ctttcaatag gggccagtat gcttcgcttc  
180atccagaagt tttctcaagc atcttcaaag atactgaagt actcttccc agtgggacta  
240agaaccagca gaacagatat actttctctc aagatgtctc tccagcaaaa cttttccca  
300tgtccaaggc cttggctttc ctcatcattt ccagcgata tgagcaagac acagtgtat  
360catacatccc cctgcagctt taaaaagcag cagaagcaag cacttctagc cagaccctca  
420agcaccatca cttacctaac tgacagccca aagccagcat tatgtgtaat  
470

<210> 2681<211> 420<212> DNA<213> Homo sapien

cgcacgagag agaaaacagg tggngagggt ctgattaaaa actatgcaca agtaggttta  
60acaaaaatac tcatgaaaat gttcggaac tgaaatttaa acaactgtaa tattaaggaa  
120accagaatca ataatcact gtcttgccag cacagctaca gagtaacatg attcagggga



180ggaaaagtct cttacagtta cttttataat tctttttttt ttttcctctt aggttaaaaa  
240ctctaacaaa tttaaacttt atctttttta acttatttga acatacttta gaatattgaa  
300cctctaacc caaatgttta tagataccct cttatccata aacaaaaccc tgctaagcca  
360tggctctatt ttttttttgg cttatagagg ccgtaacag tttttttgca ccaatatatg  
420

<210> 2682<211> 440<212> DNA<213> Homo sapien

gcaggagccc atcgagctgc ttgtttgggc cgaagcggcc tacggctgcg agaagacgac  
60agaaggatcc tgaatgtgtg tgctactttc caccttcacc accaccaccc tagtccaagc  
120ctccacatca ctctctgcta cgatcctcca gcctctccca tgatggcttt tttctgtcg  
180ctcagctccc agttctctgc tcttcacact aatcataaca tatcatttct acctccatgc  
240ctctgtgtga tctcttcccc aagtctagat tgctcatacc ectgggtccac acacagctct  
300tcttgacact cagatcctca acagtgactt tctgaccac ccaaactaat aaagatacta  
360gaaacttttc tcattctccc cccaccacct ttttttgaga cgcttttttg gggctctact  
420ctgttgccca ggctgggtgtg  
440

<210> 2683<211> 427<212> DNA<213> Homo sapien

ggcacggata atcgnntttt nttaggatcc catcgcttcg aattccgttg ctgtcgctcg  
60atccaaatct cgggagatac gccatcgcca caggtcccgc tccagcagcc gtagccgcag  
120ccgtagccac cagagaagtc ggcacagttc tagagatagg agcagagaac gatccaagag  
180gaggtattga tgtgtcaatc agaggatatg gagctacctt aatgttttag agttgtttat  
240gtttacttat gttacttatg tttatagcta cagattattg gtttgaatct ttgcatacg  
300gtgctatgtt cacatttatg tgcgggtgca caacattttt ctgtgattat atgggtaact  
360atgactgaat atacttatga agccgagcac gacattgtaa ccaatatgtg tagaggttat  
420tgctttt  
427

<210> 2684<211> 468<212> DNA<213> Homo sapien

gcaacagaga tgtaccngnt tnnncgaaga tcccagcat tcgttatttc gttgctgtcg  
60ggaaaactgt aagaagttaa cccactctg attattccac cattgccaga gaagtttata  
120gtaaaaggaa ttttggaaag ctttaacgan gacttcattg agacacgcag gaaggcttta  
180cataaatttt tgaaccgaat tgctgatcat ccaactttaa catttaatga agacttcaaa  
240attttttctca ctgcacaagc ttgggaactc tcttctcaca agaagcaagg tcttggttg  
300ctaagcagga tggggcaaac cgtcagagct gttgcgtcct caatgagagg agttaaaaac  
360cgcccagagg agttcatgga aatgaataac tttattgaac tatttagcca gaaaataaat  
420ttgatagata aaatatctca gagaatttat aaggaagaaa gggaatat  
468

<210> 2685<211> 419<212> DNA<213> Homo sapien

ccttgaggtt attttccacc aaatgtgaca aaattcaatt catttgcaat tcatggatca  
60aaagataaac gaagttatga agctctttat cctgtacctc agcatgaact gcagcaagga  
120caaaaacctg atttccattg cctagaatac ttcaagtctt tcaattttta cacactgctt  
180ggagaagagt ggaaacaacc ggaatcagac ctgtggctaa tagagaaatg tgatatatag  
240gagtaataga taaccatacc gatcattttt tctctatac cttttaagat aaacaaaaaa  
300taaatatcaa ttttttaaga tgtcatgcat acatttcaac aacaaatatt tcatagaag  
360tcactgaaaa tatagtatct gtggcaaatt gtatatgatt aacaagaaaa tatatgatt  
419

<210> 2686<211> 428<212> DNA<213> Homo sapien

ctcagaagag cttacggcat tggggatccc cttcttgagt cgtggggctg gcttcttcat  
60ctgggttgac ttgagaaagt acctgctcaa gggcaccttt gaggaggaaa tgctgctctg  
120gcgccgcttt ttggacaaca aggtgctgct gtcctttggc aaggccttcg agtgtaaaga  
180gcctggttgg tttcgctttg tcttctcaga ccaagtccac cggctttgcc tggggatgca  
240gagggtccag caggtgcttg caggcaaact ccaagtggca gaagaccccc gtccctctca  
300tagccaggag ccaagtgacc aacgcagggt agctgggtcat tgtctcgtgg ccagagggcc  
360cagcagccac tgtggacctg gggcgttctg gcgctgcaca agactgactg tggatgtgcc  
420atttgcca  
428

<210> 2687<211> 426<212> DNA<213> Homo sapien

cgttgctgtc gggatctctg aatacccatg cccctccac catggccagc cgggggtggg

60gccgggggtcg tggccggggc cagttgacct tcaacgcgga ggccgtgggc attgggaaag  
120gggatgcttt gccccaccc accctgcagc cttctccact cttccctccc ttggagtccc  
180gccagtagc tttgccctca ggcgaggaag gggaatatgt cctggcactg aagcaagagc  
240tacgaggagc catgaggcag ctccctact tcatccggcc agctgtccc aagagagatg  
300tggagcggtta ttcagacaaa tatcagatgt caggtccgat tgacaatgcc atcgattgga  
360accctgattg gcggcgctcta ccccgggagc taaagatccg agtgcggaag ctacagaagg  
420aacgga

426

&lt;210&gt; 2688&lt;211&gt; 397&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggtctaacc attttggttt acacagtctg accactagca caatgcctgg  
60cacatagttt acaaatcatt taaggcaagc ttaccatctt aagacaattt aatacataga  
120agtgtccctc ctaaaaatct gagtttgatt tagaaatcca gttatacctg caggtactga  
180tgactaattc cttctttgaa gacaaaataa gcagctgtgt agcttcagtg gctctcaaat  
240ggataataga ttcagtgtat actcgctttg aactttcctg ttttttgatc agctagataa  
300atgacttttag tgggtaaagt tctgcctcca aaaccaaatt ctgaccctga tctaagtatt  
360ctactgcacc gctgtcactg gaatatcaaa gttggcg

397

&lt;210&gt; 2689&lt;211&gt; 391&lt;212&gt; DNA&lt;213&gt; Homo sapien

gtttaaaact tttgacaagt ggtagtccta ctgtttacac tcacagttaa tgttcatacc  
60tagttttata agctgttctg taacatagtg tagcaaaaaa aaaagttcaa gtcattgtat  
120acaggtgtgt caaaaggtat cttgggtcatt aagtattgtg cagtgcatta tttattatcc  
180ctaggagaga tgaaatttga gaggtgatca tgtcttttta aggaaactta cataatgctc  
240tgcttttttt tttcttttgg acccatgggt attataataa aaagcatttt gtacctgagg  
300ggccctaagt gaaaaaagtg ctgctcaaag gaagtatgaa gttatatatt aaatttttta  
360atttttaattt ttaatttttt tgctgtgaag g

391

&lt;210&gt; 2690&lt;211&gt; 416&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcaccaggt gtgtgtgtgt gtgtgtgtgt gtgtataaaa ccaaaatgtg tgacacaata  
60aatgctggca cagctctgat ttctttttaa aagaaaatta aaataggagt tctggttcta  
120attattagct attagctact tctgaaattc agaaagtacc ataattaggc taaaggggta  
180tataatatgt agtgaatctt caatgtaata ccatatactc tgctattttt ctttttctaa  
240ttagttgtgt tacattagta accaggccat gccaacacaa gtattccagt ccatgtgatg  
300atattttctca atgtaaatta ataaactgaa attctaattg taaacatttt ttcataaatg  
360tagttagaga cccctctgaa agacaaagca gcttttgcca tgctgaccaa attaga

416

&lt;210&gt; 2691&lt;211&gt; 412&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg ctagagtaag atgataatat aggtgagggg ttgtagggat aagaaggaaa  
60gaggagcagg ggaggaaaga accctgagga accaaatcat attaggagac gaggtgaaaa  
120tggtactgag ggagtctgta ggaagcttag caggaaaatg gtgtataaga acttagggag  
180gagagtttcc tgaaggaggg gcagtaattg cagtatcaaa tgctacagag aggagaggca  
240tgatgagacc ttacaataag cttttcattg tatttgctct ttggggggcca gtgagaaggg  
300aaaactgagg gtggtggagg ctggaagcta gatcatgatg agctaaggag tgagttggag  
360ttgagctatt tagactagtt agagctttga tttaaatatt tggtagtcac gg

412

&lt;210&gt; 2692&lt;211&gt; 368&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggagg aaaggctcagt cagcctgcac ttgcaatata  
60agaatcagct tgctcctagt ctagtacaaa tccttctcac tgggagatct gggctgcctt  
120tctgagggca cactgcaaag gccaccttct catctccctc tggcctgcct gtcagctctc  
180agagagctga atgggcctg ccaccaacag tctgttgctc ctttctgact gtgacacgaa  
240tgactacca cgcaaagaag ggctccgtgt cagagcgct cctagctggc tctccgtctc  
300gggtgtccca ccacgggaac ttgagaagaa gctgaacctc tcaaggcttc cggtactgct  
360cttttaaac

368

&lt;210&gt; 2693&lt;211&gt; 388&lt;212&gt; DNA&lt;213&gt; Homo sapien

gtgaaaagtg ctcatctgtg aactctatag caaattatat tttagaaaat actttgtgag  
60gccgggcatg gtggcagagc gagactccgt ctcanaaaaa aagaaaagaa aagaaaatat

120aaggatgtaa aagaagcaat ttgcttgac atctgaatat ccttcttggtg tctccatttt  
180cactcttgaa aactgaaagc aatttgactt ttatttttgt ttttctaaag aacagctagg  
240tgaaaggagg ttaagctgat tgtcactctg cctgcccact acctactccc caccatgggtg  
300tttcatgaaa catccccacc acctgaagtg atcttttttaa tccttgatgat agtaaatagca  
360ttgataatta acaggaaaaa catgtttt

388

&lt;210&gt; 2694&lt;211&gt; 377&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggatg aacagcagaa gagaattatt ctacaataag  
60aaatcaattg gtctctcaac tgagaatcac tagcaagaaa ctggtaaacc aaccaacaag  
120tgggtaaagg aaatgtgaaa ttatataact aaataaatat acacaaacac acacacacac  
180acacacacac acacacgcac acacacaagc acacaccata gaatactact taaccacaca  
240aaggaaggaa ataatagcat ttacatttgc agcaacctgg atggagtgtg agatcattat  
300tctaagttaa gtaactcagg agtggaatac cacatctcgt atgttctcac ttataagtgg  
360gagctaagct ataagga

377

&lt;210&gt; 2695&lt;211&gt; 380&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagag acagtctccc cctcagatgc catgctccca ctgtaccacc atgtactgct  
60tcctgagatc tctgcttctc tcagtcgacc cagctgacac ctgtttcctt cctaactcca  
120actaattaat tccagctaatt ggaattgact ggaattagtg acattaatat ttactgagca  
180ttcccccatgt gtcactcagag ctgtgctaaa tgctttacaa gaataattac ctgccataaa  
240gcaaccttat gacatagggt ctactatgcc cattttgtag atgagacagg ttcaggggag  
300tttagtatcac cttcaagtca tacagtggct aacaatctgt ggtctcgtg aatgctggg  
360gcctgctctg ctaagtctac

380

&lt;210&gt; 2696&lt;211&gt; 399&lt;212&gt; DNA&lt;213&gt; Homo sapien

atcggcacga gattgattgc tgttgcgga acttgaggtt acttacagaa tgaagcacat  
60tttttacata cagtacaaat gagtgtgtgc tttttaaatg gatttaaaat tcaaatgcaa  
120atctgcagtt taatctccca agtgctgatt ttctatgta taaagttaga gagtgaaca  
180gcgtatcaca atgaggggct agggagaacg tgtatgtgac ctctagtacc tggcagtaa  
240cagacactca gtattacact cctgctatct ctccagagca ggtgaaacag acggccagga  
300agcacacgaa gagacactca gcatcactgc ttgttaagga aggtgcaa at caaaaccaca  
360gtgagacgcc acttcacacc tacaagttcg gctagatan

399

&lt;210&gt; 2697&lt;211&gt; 408&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgct gctggagaag cagccttata cagttgattt tgtgtatgtg gctagtctta  
60ttgtcactat gtaagtaatc caatggtttt agaaactaaa ctttctagag caataaaatg  
120actataatgt taagtaaaaa taatgttgat ttctaattat gttttaaaaa atgaagtctt  
180gaattatata aagaaatctt ggcagctgaa gtcattgtta ttttgaagct gttagtcttt  
240tcctataatt taaaaagatc ttttagattt atagaagagt cagaaatgta caagagagtt  
300tttttgttgt tgtttttgtt ttttgagaca gagtctgtct ctgtcgccaa ggctggagtg  
360cagtggcgca atcctggctc actgcagcct ctgcctcctg ggttcaag

408

&lt;210&gt; 2698&lt;211&gt; 406&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggc aagcatttac agttttaaat ttcccagtc gaataaattc ttattgaggg  
60caatacctag cctgtcttca tcaaaactat aggtgaatct ttgtcaaacc tataggagag  
120agatgcaggc catagagatg gtcttgctga aggtcttata gctaaattag ttcagatcca  
180ggaaccagat tctggaactg attgcacctt tattatgttg tgtgtcagac actcccagga  
240cctgtttggt aataattagg acagctgaca tacttggtgc taattttgag atctgggcaa  
300caactgtgta ggctgttctt tcaacctctt tcttcttact tctttacttt tcttccacag  
360aggagaaagc caccctggg gtatagccac cgctccaatt ctgact

406

&lt;210&gt; 2699&lt;211&gt; 374&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacaac agaagggtc tcaaaactat caatcaaaca aacaaacaaa  
60caaaacaaaa agacactttc tagaagagat agtaacgata tctacctcat gaattaaatt  
120acttggtgtg aattaagtgc ttactaggga ttaccacatc attaactatt attagtaatc  
180ttacagtcac tattatcaaa tatgtctcaa aattaatgca acctgtcagt ctagtccat

240caaaagtgcc acagtgcctt ttggaaatta aacaaaacaa ttgcttaaat gtgcatcata  
300cattcagagt aattccttatt caagcaagct gggtttatat tcatgacaag ctttttcaat  
360tttaatatgt ttgt

374

<210> 2700<211> 406<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gaactagtct cgagagcagn nntttttttt tttttttttt  
60tttttttttt tttttttttt ggcccccccc cccctttttt ttttttttaa aagtcctccc  
120caaaaccccc cggggggggg ggggaaaaaa aacccccctt ttaagggggg gggggaaaaa  
180aaaagttttt tgggaaaaaa aaaaaatttt ttttattttg gggggcccc ccccccccc  
240ccgggggggg gggggggccc ccccccccc taaaaccccc cccccgtgg gtttttgggg  
300ggcccccccc cgggggctta aaaagggggg gggggggggg ccccaaattt tcccaaaggg  
360ggggctttat ggcccccca tccccaaaat gtggggggcg gggggg

406

<210> 2701<211> 395<212> DNA<213> Homo sapien

ggcacgagat ggtctcaatc tctgaactc atgatccacc tgcctcagcc tcccatagtg  
60ctgggattac aggcaattag aaggaccatg tgactaatct atatcatttt cttagagata  
120aagctgagat ccaggaggct atgctaaaga gacataggta actgtggcca agctacagcc  
180agattccatg ttttaagact ctcatgttcta ttttctggg tggggaaggg gaatgaaatt  
240ataactttgc aactatcctc acttcttct acctacccaa atagaaagta gtacacgttc  
300acaggacagt ggtctcatgg acttgtttct ttttttttc aaatgaaatc cttaagaaa  
360tctaaaaaca aatgagcaca gatgctctgg ctcaa

395

<210> 2702<211> 394<212> DNA<213> Homo sapien

tcacaatcca atatctgtgg aattcattgt gtatgtttgt gtatttgtgt gtaggtgtgt  
60atgtgtgtgt gtgatacata cacaatcac gtatcacaag acattgacct tatattat  
120gcactgtgat gtttttccgt cttaatttt aaaaaacata ctgatacaca ccacaatttg  
180gaaatgttg ctccatacca tccatacca acactacca cctgcaaata atagcattac  
240taggagctgc agtcacaatg aataaatcaa caattcgcta caagatctag gattatttgt  
300gtattttgtt gagagtgcga gcgcgttggc gtgtatctaa taccattgta tctcattgtt  
360gagactttgt tacaatatgg gtttctggtt tctt

394

<210> 2703<211> 376<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtt atcctactta ttatttatgt tttacctct  
60gtgtccaaca cacacacaca cacacacaca cacacacacc ccttagaatg  
120gggctcctta agagcaggga ctttatgggt cttatggagc aagactttat gggctcctgc  
180tcttatgcag ggctgttca cctgcacctc cagaacctgg aacagtgtta ggcacaaaat  
240atctgattaa taaatttgcg ctgaaagaga gaatactcca aaaggttctc gtatgagtga  
300agtgagatta ttatctataa agaattttgt ggaggcatgg caccaaataa gcaccacaca  
360cacagtattt ccagta

376

<210> 2704<211> 407<212> DNA<213> Homo sapien

ggcacgaggc cagtggagct aaagagctga gatataattg taaatagagt taataggatt  
60ttctgatgat gtgggtctgg ggatcaggga agagggacaa tctactgcta ctgaattact  
120ggtttaagta actaggtagc ctttattggg aaagactgag agggaaactg tttgtggggg  
180aaaggactat gtttcaaggc atgttaagtt ttagatatct ttgagatatt caagtggaaa  
240tgtcatataa gaactggaaa caaagttcag gactcagaag acaggtttaa aattaagagg  
300caaattttag agttattagc atacagataa ttttcaaatt taaaagttt tttaaataat  
360aaatatctgt ataattatag aatcacaggg gattgcaaaa ataatac

407

<210> 2705<211> 389<212> DNA<213> Homo sapien

ctccagcctg ggctcaaaaa agaaaaataa attaagggcc cgttctttct caaagccttt  
60ggggggcctcc gggggccctc agaaaaccat aaaggggctt ttgaaaaact ggggcctcct  
120gggaaccttt ggaaaaaaa gtaaggggtc ctttaaaggg gatcctgttt tgaaaaaatc  
180gcccacttcg gggccccac tttgaaaaag ggggcccgtg gtttccctta cagggtccca  
240aaccaatttt ttttcccta agttttttt tgggcccgtg catttaatat tccaccgggg  
300ttttccaagg cggggttaaa aaccacccaa acctgcccag ggccaggggc tccccctga

360atccccaaaa ctttgggggg ctaaaacgg

389

<210> 2706<211> 376<212> DNA<213> Homo sapien

tacggctgct agaagacgac agaagggcat ttagaatggg gaatattgtt gcagccaact  
60ttgaaaaata gcttctgcca cagacactct ataagaagta ggttctgtga ggatgggac  
120ttcttatgga gtgttagtca tcaatggagt ggaaagaatg cagtcaaact tgacacctga  
180gactgtatag tagtgaggct gattccttaa aaatcacacc agaactcggc caggagtggg  
240ggctctcacc tgtaatccta gcactttggg aggccaagg gggcagattg cctgagctca  
300ggagttcgag accagcctgg gcaacacggg gaaaccccg ctctactaaa atacaaaaa  
360aaaaaaaatt agccgg

376

<210> 2707<211> 375<212> DNA<213> Homo sapien

tactgctgcg agaagacgac agaaggggtat gtcaaactct actttaataa tgaaagtaat  
60caggatcaga gaaattacat gccagaaatt cacaggattt ataggtacag caaaataggt  
120cagaaatcta tacactccag accgagaata tatcccgaag tcagcagttt atatgaggag  
180tcaactggaa atcattgcaa gtaaagaaga gctagattaa tcgctatcct taaagaataa  
240actaggcaga aacattagaa cagctgcttt caaatgtttt cagaactagg tataatgggg  
300gaaagaagct caggatattt agaggtaata ctctttttt attcctattc ttatttaaga  
360gtaattaaca gcgag

375

<210> 2708<211> 413<212> DNA<213> Homo sapien

ctcctacgtc tctatattgt ccccttttg ctttcttac taactttaat ggccacaaca  
60tttagggcaa aggggggcaa tcattgggtg tttggcattc gcagagactt ctgtcagttt  
120ctgcttgaaa ttttccatt ttaagagaa tatgggaaca tttcatatga tctccatcac  
180gaagatagt aagatgctga agaaacatca gttccagaag ctccgaaaat tgctccaata  
240tttggaaga agggcagagt agttataacc cagagccctg ggaaatacgt tccccccct  
300cccaagttaa atattgatat gccagattaa actcctagag aggaccagc cacacacaga  
360ctccacttg ccttcgcctc ttgttcattc atcccaaacc tggaaatgga aac

413

<210> 2709<211> 395<212> DNA<213> Homo sapien

ggcacgagac gtcattggaa tgggtggttt gttaagcat ttctggcttt ccatcatggt  
60tcatactgaa agtactgtag atgctagcta acctctgcc tttttaagaa taaacctttt  
120ttttaaactt aagaactaaa gctgagattc tctattctg ttgttgagg gcttcttgca  
180tgcccgcaca ttttatcaca gcaatttgag aagttttct tttggttct gacaacaagc  
240atttgaggag aaagccaggc ataaattagt tacgatagtt ggggtttaat gtttctccag  
300tgaaaatttg gacttttct tttcccttat agaatgcata attaaaacag actattattt  
360tgaaatgaaa tattgaatat taacaaaaat aaat

395

<210> 2710<211> 383<212> DNA<213> Homo sapien

ggcacgaggc ataagctgcc aaaccaagg gaggacagac gaggccaca aaactgggtt  
60cctatcttca atccagagag aagtgataaa ccaaagcaa gtgaccttc agttcctttg  
120aaaatccct tgcaaaggaa tgtgatacca agtgtgacc gagtccttca gcagaccatg  
180acaaaacaac aggttttctt gttggagagg tggaaacagc ggatgattct ggaactggga  
240gaagatggct ttaaagaata cacttcaaac gtctttttac aagggaacg gttccacgaa  
300gccttgga gcatactttc acccaggaa accttaaaag agagagatga aaatctcctc  
360aagctcgggt acattgaaag tgt

383

<210> 2711<211> 386<212> DNA<213> Homo sapien

cgttgctgtc gggccactcc tccctcgtc cacctgtcac ttcgggtagc tgggaggcca  
60ggtgagggg gcgcacgggg gaggggctg catagttgag acagaaaccc ggaagacca  
120actgtggcgc ggcactgctt gaccgaggg ctccggagcc cagctgcacc ggctgcgggt  
180tgagcgccca gggccgggg ggggggtgga ccgcgggcgc ccttcgacca aaggtgcttg  
240aagctcgagc ccattacttt ctgtggactc tgactcgagc tgcaaaagct tttctgcact  
300ggtttttctca tctatgttat gaagataata attccggccc taaccgtagt atgcttgca  
360gaatccaaca atatgatgtt tctgaa

386

<210> 2712<211> 382<212> DNA<213> Homo sapien  
tagggaccag cgtagtcctt accttttttt ttcattgagac aagcgaagac cacagaggag  
60gtgtggcttc atcaaaaacc cactgagaac gagtgttaga atcaggctag gacacattgg  
120actcctctc cagggctctc tgacatccaa ggccctttga aatctctctc cacctgcgaa  
180cagatttcta gacttctgat ggaggtgatc tgagatgaac aggctctaaa agcagcctct  
240gcgagcctct tagagcagcc gggacctgct ggagaacaga acatggccta tgagcgcaac  
300agccaagtgt tcagcaccac ggacagcttc tctggcctat tgctggggag gccacagggtg  
360gggaggctgg ttgtccaaca cg  
382

<210> 2713<211> 409<212> DNA<213> Homo sapien  
ggcacgagga gagagagaga gaactagtct cgagagcagc tttttttttt tttttttttg  
60gggggggaaa ttttaaaatc aaaagggggg gggggggccac ccttttaatt gccggggccg  
120gggcccctctt attttattat tgccgtgaaag gttgcttgaa cccaggtttt ccccatcccc  
180ttaggaggga tccccccct cctgaaagg gggggcccca cccctaaagg gggggggggg  
240gggggggaaac aaaacctgt cgttgagcc cctgtgggtt ttcacctcac ttggggaacc  
300ccataaaaagg ggccgggtta acaaacctgt gttaaaggac atttaagaat ggaaaagggg  
360gttgggcaaa aaaaacccaa tattttctcc tgtggcgctc accccccc  
409

<210> 2714<211> 408<212> DNA<213> Homo sapien  
ggcacgagct gccctcgttc cgcgccattt aggcagactg ccaggctcatc acggcccgc  
60tggcccaaca gctgcggcag cgctttaggg agggcggtc atgcgccccg gaggaggcaa  
120agtgcgtgga gctgctgctg gccctgggag agcctgcgga ggagctgtgc gaggagtctc  
180tggcgacgc ccgcggccg ttggagaagg agctgagaaa cctggcctgg ccgagttgct  
240ggccaatgtg gccagctcca tcttgagcca cattaaggcc tctctggcag gagtgcacct  
300tttcaccgcc aaagaggtgt cttctccaa caagccctac tttcggggtg agatctgcag  
360tcagggtgtg cgtgagggcc tcctcgtggg ctctgtacac tctatgtg  
408

<210> 2715<211> 377<212> DNA<213> Homo sapien  
tacggctgcg agaagacgac agaagggtta aggtctgtat tgccagtagt actgaattga  
60ggtcttaaat tccacaagcg taattacaca actatgtgat aaactgcaat atttatccat  
120tcattaaact gttaaactctt tgcagtctca ccacagtttc tcttactagg atctagaaat  
180atttccctatt gtaggctggg tgcagtggct cagcctgta atcccaacac tttgggaggc  
240tgagaagggt ggatcacgtg aggccaggag tttgagagca gcctgtacaa cgtggtgaaa  
300ccctgtctct actaaaaata aaaaaattgg ccagggtgtg taacacacac ctgtaatccc  
360agctacctgg gggctga  
377

<210> 2716<211> 388<212> DNA<213> Homo sapien  
ggcacgaggg cacatggtag cgggtcagcg aaaagcccag tgctggaccg tgggacaaaa  
60tgggaacaga gcagctagca ctgtggagat gagaagggg tgagattaga ccgagggaag  
120gaggaggtag ctgacaggct tccacaagcg gaaggtcgag cgaaagaagg cagccattga  
180ggagattaag cagcggctga aagaggagca gaggaagctt cgggaggagc gccaccagga  
240atacttgaag atgtggcag agagagaaga ggctctggag gaggcagatg agctggaccg  
300gttggtgaca gcaaagacgg agtcggtgca gtatgaccac cccaaccaca cagtcaccgt  
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388

<210> 2717<211> 396<212> DNA<213> Homo sapien  
ggcacgaggg ggaactgggg tccggaggac gcccacgcc tcttggccag ggcctccctg  
60atcatgctcc cgtggccact acccctggcc tctcggccc tcacctgtct cttcggggcc  
120ctcacttccc tgttctctg gtactgtac cgctgggct ccaagacat gcaggcccta  
180tgggctggga gccagctgg ggtgttctg ggtgggctg tgggatgctc ggaggccggc  
240gggccaagcc caggggtcc tgggatccc ggggaaggac ctaggacgga aggcctagt  
300agccggcggc ttcgggcta cgcaaggcgc tactcctggg ctgggatggg tagagtgagg  
360cgggcagctc aggtggccc acgcctggg agaggc  
396

<210> 2718<211> 386<212> DNA<213> Homo sapien  
cgttgctgtc gaggctgggc cgcagacca ccagggccga ggtggacctc gtcgtgcagg

60gcctgaagca ggccgtggcg cagctggagg accaggccta gcaactggggc cgccttcccc  
120accccgtttc tgggaagccc gtggcagggc acagggttgt ccctccagtt ccctcctgag  
180ggctgtgccca ggatgactgt ctcatgcccc ctctgcattt tgtcctggag tgccagcgag  
240tgtgcacccc cagtttccct ccctggaacc ctgcagagct cacagggccc aggacaccaa  
300cgccgcatag gaccgcccac atgggaacgc ccacatggga ccgcccacat gggaccgccc  
360acatgggacc gcccacatgg gaccgc

386

&lt;210&gt; 2719&lt;211&gt; 371&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggctgagag aagacgacag aaggggtcta gaagctgaat tagttgcaat atccccctgat  
60cagaagggtta gtttaggcag gcattttccc cctggttttg gatctcttgg ccccaaagcc  
120atgctgagga caggtgcttc cctgcctagg ctacctctcc eggcctgtcc ctggctccct  
180ccctgcccac ccctggctct ctccctgccc cagggtagag gtggaatgag ggtatgagag  
240aatagcctga gacacaggca agggcatggg tgggagggca gtccaggagg gtgggactga  
300tcttgaccct gagtctgtat gtcattggtt tttcttctg acttcttctg aggaactgct  
360gtgggttttt g

371

&lt;210&gt; 2720&lt;211&gt; 389&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggttgag agaagacgac agaaggggtca tgagtcaact tacatagatg accacaggtt  
60cccgcatggg atcttgacat ttagaatatt ctgttgaaa gtggaggcag gaccatagca  
120gagggatgaa gtcataaggac aacgaaggcc tgttctcgac tacacagtgg ccaattcctg  
180tttctgtggg agtgaccacc agccccaccg gctgggaggg agtaagtggg gatggtatcc  
240agcagaagtt tcctgagaaa ccgctggagt gtcctgatat agccttgtgg acctgctccg  
300tgtgtgtgccc ctacaccttg tgtgtgtgat ttgcatgtg tatgtgtgtg cctgtgtgag  
360tgcacatgtg tgggtggcatg tgtgcatgg

389

&lt;210&gt; 2721&lt;211&gt; 404&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg ttacagggct ccagatcagg gagggccttg tgacttgtga ctctgagtga  
60gatgggaagt aactggggag gctgatgcga ccagagatgt ttaacaggt tccctctggc  
120tgccgtgttg agaaaagact gcaaggggga agggtggaag cgaggagagc agtttggagg  
180cccttttcag gaatacaggg gagaccaggg ggtggcagtg ggagggtgag aagtgtcag  
240cccaggccca ccacagaacc acctctggca ctacaattcc tgtttgatgc aaggatggct  
300gcttttttta cctgtcacc tgtgatgtga aatcatgcat ttagagcaac ttggtaaata  
360ttaatttctc aacaaatatt agctattaat atcagtatta agcc

404

&lt;210&gt; 2722&lt;211&gt; 384&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagag tacctgacag gcttccacaa gcggaaggct gagcgaaaga aggcagccat  
60tgaggagatt aagcagcggc tgaaagagga gcagagggaag ctccgggagg agcgccacca  
120ggaataacttg aagatgctgg cagagagaga agaggctctg gaggaggcag atgagctgga  
180ccggttggtg acagcaaaga cggagtcggg gcagtatgac caccaccaacc acacagtcac  
240cgtgaccacc atcagtgacc tggacctctc gggggcccgg ctgctcgggc tgacccacc  
300tgaggaggag gctggagaca ggtctgagga ggaggcgtca tccacggaga aaccaacaa  
360agccttgccc aggaagtcca gaga

384

&lt;210&gt; 2723&lt;211&gt; 403&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga gagagagaga gagagagaga gagagagagt tagagagaga gagagagaga  
60gagagagaga gagagagaga gagagagaga gagagagaga cccctctct ctctgagagt  
120gtgtgtcact ctgagtctgt gtctctctgt gcgcgagaga ccccccccc ctctcttctg  
180gagcgcgcgc tctctctata gagaggggag cctcgcaccc cccctctctt ttgtgtgtgc  
240ggcgtgctct ctgcgcgggt gcgctctctt ttgtgctaga gaccgcccct tctttttcac  
300acgcaccccc ctcttttttt ttgtccccac cctctctctc gtgtggggtg tctctctctc  
360tcccgcgagg ggtgtctttt tttctctctc aggtctctct tgt

403

&lt;210&gt; 2724&lt;211&gt; 397&lt;212&gt; DNA&lt;213&gt; Homo sapien

gaggatcaaa gtctgggtga gaaataacag cgggtgaagag tttgactgtg ctttccgcct  
60ggcacaggag ggattatatt cattgtatcc atttattaac tcattaatta ttactgtatc  
120aatggaagat gatttgatac tgttcaccca ggaaaatccc ttttttagaa aactcagcag

180taagacctac agatcagcaa aggacctgac aaaggggaacc atcgtgctga agtatgaacc  
240agattctgtc aatccagacg ctctgcagag tcccatcgtc ttatgcggat ggcgatgaaa  
300ggcctccatt ccaacttttg tgccctagaa tgaacggctt cattatctca agatgatgga  
360gctggaggta ttgggagaaa agaacaatga aggagtg

397

&lt;210&gt; 2725&lt;211&gt; 392&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggc tgccacagcc ctcceaagca gcagcaagcc aggccctcca ccacagagca  
60agcccaactc ctctttccga ccgcccagaa aagacaaccc cccaagcctg gtggccaagg  
120cccagtcctt gccctcggac cagccggtgg ggaccttcag ccctctgacc acttcggata  
180ccagcagccc ccagaagtcc ctccgcacag ccttgccac aggccagctt ccaggccggg  
240cttccccagc gggatccccc cgcacctggc acgcccagat eaggaccagc aacctgtacc  
300tgccccagga cccacagggt gccaaagggt ccttggtgg tgaggacaca ggtgtgtgta  
360cacatgagca gttcaagggt gcgctcacga tg

392

&lt;210&gt; 2726&lt;211&gt; 402&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg ttactcccag gtgaccaggt ggcctgtagg aaaccaagggt ctgctatatg  
60accggagctg gatggtgtg aatcacaatg gtgtttgcct gagtcagaag caggaacccc  
120ggctctgcct gatccagccc ttcactgact tgcggcaaag gatcatggtc atcaaagcca  
180aagggatgga gcctatagag gtgctcttg aggaaaatag tgaacggact cagattcgcc  
240aaagcaggggt ctgtgctgac agagtaagta cttatgattg tggagaaaaa atttcaagct  
300ggttgtcaac attttttggc cgtccttgatc atttgatcaa acaaagttca aactctcaa  
360ggaatgcaaa gaagaaacat ggaaaagatc aacttcctgg ag

402

&lt;210&gt; 2727&lt;211&gt; 411&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagag ccaatgaggc ttttgctgt cagcagtgga cccattccat tcagctttac  
60agcaaggctg tgcagagggc cctcacaat gccatgcttt atggaaaccg agcagcagcc  
120tacatgaagc gcaagtggga tggtagccac tatgatgccc tgagggactg cctcaaggcc  
180atctcctaa acccatgcca cctgaaggca cactttcgcc tggcccgtg cctctttgag  
240ctcaagtatg tggctgaagc cctggagtgc ctggacgact tcaaaggga atttccggag  
300caggcccaca gcagcgttg tgatgcattg ggccgcgaca tcacagctgc cctctctct  
360aaaaatgatg gtggtgagtg ggcactgagg aggggggtgct gttactcttt c

411

&lt;210&gt; 2728&lt;211&gt; 402&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagat gggcaccata accaggagggt gggctactgc cagggaatga attttatagc  
60aggatatctg attcttataa caaataatga agaagaatct ttttggtgt tagatgctct  
120tgttgggaaga atactaccag attactacag cccggccatg ctgggcctga agaccgacca  
180ggagggtcctc ggggagctgg tgcgggcgaa gctgccggct gtgggggccc tgatggagcg  
240tctcgggtgtg ctgtggacgc tgctggtgtc ccgctggttc atctgcctgt ttgtggacat  
300cttgcccgtg gagacagtgc ttcggatctg ggactgtttg tttaacgaaa gctcgaagat  
360tatcttccgg gtggccctga ccttaattaa gcagcaccag gg

402

&lt;210&gt; 2729&lt;211&gt; 359&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagaccac agaagggtaa gcaccatatt agaaagctct gaatttccat  
60gtgataagtt ttagggctaa aggggcaaat gctttaggaa aatttcgtag caatatgttt  
120ggtgttttaa gtagggaagg tctgagtga agattgcagc taaaagctgt ttattactaa  
180agtgaaggcc agttatcagg aggatctgaa cagggaagga aaatgggctg aaatcacaag  
240tttgagttga cagctgaatg tttctaggga gtcaaatatc cctaggattc acattgagtt  
300aactgggagt ggcaagttga ttgatagtag tgaggacaga gagacagtca aagaaagg  
359

&lt;210&gt; 2730&lt;211&gt; 347&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggttgcg agaagacgac agaaggggtt ttgttttttt aattctaaaa aaaaacaaat  
60gttaggccaa acagatccct agatccact cattgattct ggcggtattc ctaaagtgg  
120gcttaggggg tcagaatttt ctggatcttt gctaatacaa gctttagatt taatttaacc  
180aggaccacat gcttgctatc tctctgatgc aaattttcaa aatcatttta atttagattc  
240taatgtctgc ctgggttttt aacaggctgt gaaccagtga gtgccttggt aatgtagaat  
300gatttttccc cctgggtgg gtggtagtta gctcctctct gaaaatg



347

<210> 2731<211> 342<212> DNA<213> Homo sapien  
tacggctgcg agaagacgac agaagggcag attaatgtgg tttttcagga aaggacttag  
60gtgaactgag gtttttaccac caggcagtga atgaccttgg ttcaccaaatt ttgcctctgt  
120ttttgaggggc ttggtccaga gtgacttggt aatttactct aacttccttg tgtgttgatg  
180ggtaagtaca ctcaaacact gaatacaggt gtgtgatggg tagatttcac agcccttcta  
240ctaatagtga gtgtgaaggc aagcttgatg caaaacctcc tgacctttcc tacctgaaga  
300gccctttgac ttctaggaag aaaggtcaaa aatgttatct tt

342

<210> 2732<211> 335<212> DNA<213> Homo sapien  
tacggctgcg agaagacgac agaagggatt gaataataaa aatttaaccc attgttgtga  
60aggagcctca gaatatatttg atgttaacaa aagagttctg tatttataaa gttggagaaa  
120cactcatcaa gagttaggag taaggccagc tgtgggggtc cctctggtaa taccagcatt  
180ttgggaggct gaggtgggag aatcacttga ggtcaggagt ttgagaccag cctggccaac  
240atagcgaagc cccatctcta ctaaaaatac aaaaattagc cagctgttgt ggtacgcacc  
300tgtaatccca gctacttggg aggctaaggg aggag

335

<210> 2733<211> 345<212> DNA<213> Homo sapien  
tacggctgcg agaagacgac agaagggctc attgactata gtgctgccaa gtaaaaatat  
60cttggggaact cttctactag aatggccttc agggcttggc atgttccttt ggtttaccct  
120tagagatgag aaatcctcct cctttgagga tggatttaag ttctggaaat aatctcaagt  
180gcttgatagc acagctggat gaaaaaagat ggcaattaag gtaagttaca ccatttttgt  
240ttctaaaaaa tccctaagaa atttcttggg atgagtcttt ggctcagag cctctcaaag  
300tgccacttc aaggggggat catcctcatt agcacacaga ttttn

345

<210> 2734<211> 336<212> DNA<213> Homo sapien  
tacggctgct agaagacgac agaaggggtg gaccttgggc aagtgacttc atttttctaa  
60gtctgttttg tcttttatga aatgaggata ataatagcac taacctcatg gtcattggga  
120ggattgagat aatgctaaaa gcctccttag cacagggtct ggtaatttaa taaaggttta  
180ataaatatta ccatatgatt cttattactg tgaacagtta agaaatagta aagtatata  
240taatgggtga gtacgaggca tgagaacaca ggccaacgtg atgaattgcc ccatgaatag  
300tgctgtgtat aacctctccc aggccagggtg tcatgn

336

<210> 2735<211> 356<212> DNA<213> Homo sapien  
ttatcggctg ccagaagacc acagatgttc ttctccactg gcagctgaaa agtctttgca  
60aagatccttg accctgggct ctccctatg atttgccaca taacacagga cagcaccat  
120agacctacac aacaaaatgt acagttttcc ccccttatcc atgggggata tgttccaaga  
180ccccagtgat atgcctggaa gtgtggatag tactgaaccc tagatatgca gtgtctggat  
240agaaggaaga ggataagagt aaaaggggga ataaagaatg tggaaggcac agagtacaga  
300gagtaaatga agggaaaaga agcaagtgga tatgatggag ggtggtaaaa ggaaaa

356

<210> 2736<211> 351<212> DNA<213> Homo sapien  
tacggctgcg agaagacgac agaagggagg gtggggggag ctgagtcctt aaatgtgagc  
60ctcatcacag ttcttgtctt cagcagccca cccaaagccc tcttccactg cctgtcacca  
120ttttcatacc ctctagagtc acttatcaca aaagtaacaa tcacaatcct tggaaagggtg  
180tcactatacc ttaataaata agcaggtata catgtgtgga tttgtacatc ccaagagggtg  
240ggactgatga gagacagcag caccctattc cccacaaatc aatgaacaaa cctggtaaat  
300actctctcca tcccctgtgc ctttcagctc aaatattgtg actctctttt n

351

<210> 2737<211> 344<212> DNA<213> Homo sapien  
tactgctgcg agaagacgac agaagggagg agaagataaa cagttacaag agccccagtc  
60gcatgaaaaa aaagtccaga atgctctgct cagaggagac ccaattttct gaatactgag  
120ccctgaggaa tttcaccact gggtttccca taaatgagac cccctgtgac ctgggtgggc  
180ccatccctcg gaagtgtacc ctggcatttc cataggactg cttccttctg ggctcttag  
240tgcaagccag cagtgaatg ccacatccaa gtttggtaaa tcaattctaa gtgagataaa  
300ttaatgcctt ttttggggga agatgggaaa cagagtgggt ttgt

344

<210> 2738<211> 353<212> DNA<213> Homo sapien  
tctacggctg cgagaagacg acagaagggc tggctctcgaa ctcttgacct caagtgatct  
60gcctgccttg gcttcacttc tttatttttaa accatctcat ccaaccttac aaaatacttt  
120caattcagtg accgcagcag tcccttcaat gctgcatgag cctgggtgcat gagcctgtaa  
180ctgttttccc tctctaaga gcagtgtccg tttcttcctc atcctagagt ctctgttgcc  
240tagcacagtg tggctaatag aggtgctcaa gaaacatttg ttgagtgaat tgcgtaaagt  
300gttataatca catctgaatt aataaataac ttaaaatgcc actgccgagc ttg

353

<210> 2739<211> 342<212> DNA<213> Homo sapien  
tacggctgcg agaagacgac agaagggatg tgtattatac tcatatgtat tacacaaata  
60tacatatctt acaaaacaaa aaccctaaca gccaccaagt aaatgggggac ctgtgtaacta  
120actgctcaac cctaaagaaa tcttcaaacc caagtatcca ctaaggctgg attcaacaaa  
180tgttttttagg gccacagtaa atatttcagg tttggcaggc catatagtca caattactaa  
240attctgccat cacagcagca aaagcagcca cagacaatac ataaacaaaa aaacaaacgg  
300gtgtgctgcc tgtgttccag taaaacttta tttatggaca tt

342

<210> 2740<211> 336<212> DNA<213> Homo sapien  
ttatggctgc gagaagacga cagaagggat cagctttctt agttcaggcc acctgcaacc  
60tccttctagt agcaatcaca cccccagcag cctggaaacta gagtattctg ccaaagcaga  
120aaccctgtca ctctactcac ctatataatg attttctgtg aacttaggta tgaagttgaa  
180aatcctcaac ttgtcataca aggctcttta tgttgctcct gcttttagtg ccaccaatct  
240accaccccat tcaactctcc actcccaacc ctacacatgc acacctctt cacattcaat  
300ttcttctcct ttctccctct ccgtcagca atactg

336

<210> 2741<211> 341<212> DNA<213> Homo sapien  
tacgtctgcg agaagacgac agaaggggtg tgtgctgtac aaaggaatgc agagatatac  
60gtccgatgca gctttcatct tttgggactt ggcttgcca ttacttctga ctttcctcac  
120tcgtcctctc ctgcccacc ccgcccctg tgcaccata aatctgggtg gcaccacag  
180atcctatgcc gctctgcatc ccgagtgtcc tgcagctgtg tccagtgtg gacacactat  
240cctggcagtg tgcaggccca tgttgagacag ggccctgccg ctctcttggc acctgtatg  
300ctttcagtaa gcacttgctg gacaaaggca gaaagggctg t

341

<210> 2742<211> 340<212> DNA<213> Homo sapien  
tacggctgcg agaagacgac agaagggatg aggtgggtgg cctaggctgg gatggggtat  
60ggtgcagtta ctgtattga caaagcttag gttgtggata tgtagatggg agatggagga  
120ggaagaatca caggccaact gaatgtggag tcagaccacg gtgttcagtg gatctttgt  
180gtgcatgttg aaattgccac aagtgatgat ggaagtagtt agtgggtgtg gaaaggacag  
240tgaggggata caggaattaa atcttgaagg aatgcttctg gataatgagt ttaatccaa  
300aactcattgg actaaatgaa tttgtccat cgcttcaaag

340

<210> 2743<211> 420<212> DNA<213> Homo sapien  
ggcacgaggg ggacgggtgg caccggccc gcccaccca cctcgctcac aatctggcca  
60cttgggaaga aaacgtctat tttttcccc ttctctcat cacttttttg gttttgttc  
120ttttttattct tttatttttt aaaccatga tcttttttcc tgtgtccaag tgactgtgtt  
180gcaggcgggc cggtcttggc agggactggg ggggacggg ggagcggccc aggccctgc  
240cccgcggggc tcagcctccc atgcgctcgc gcttgctgt gtcccgggct tgtctgtgaa  
300gtgggcgtga agatcgttgc caccttccaa cctacctac aggggtgttg tggggacacc  
360atgatctctg gattgttcat gtcgtcgtgc tgcgcggga gccaccgcc tccggagact  
420

<210> 2744<211> 438<212> DNA<213> Homo sapien

tgcaggatac catcgagctg gttgtttggg cctaagcggc ctacggctgc gagaagacga  
60cagaagggct tgggtggttg aataggtaat cagacaaaaa ctaaatgaat ttaattgtt  
120atgaatatag actcactaaa tcagtgagaa cctgtgtaga cacaaatcaa gattttgtct  
180aaggatggta aaaatacata tctgggcctg tggctgcctg aaagttaaat gagagttaca  
240tatttttaaat actgaataac ttttgaaacc agcacgacac tacaactacc attattacta

300atagctaact ttcaccgagt acttacttga gccaacattg atctaaaccc ttacattga  
360tctgagccca ttaccagc agatgcaaac aggatcagag aaagcacaag gtcattcttc  
420ctccctaggt caactgaa

438

&lt;210&gt; 2745&lt;211&gt; 420&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagca gaaatgaaac tgtcaaaaca tcgatcagta caaggaaggg acacagggct  
60tagaatgtcc acagtcttgg cagtggactt ggcagttctc ccagtaagca gaagtacttg  
120agcttaattc tgaacttcaa agtaatatat tatacttaat tttaggagtt ttcatttaca  
180tattgaaaaa tgccttgact gtattcacat aaatgggtgct aaaacattgt accccttata  
240agaactgcag caatccacag taatgttggg tacttctgag tatttgataa aggaacaaag  
300tcaaaatgaa tgtatttaat aagcttcttt ctcatttcca ttgtttttat aaaaatatat  
360tgggtattgtt gcctgcattt tagccacttc taactttttg tattatgaat ttggagagga  
420

&lt;210&gt; 2746&lt;211&gt; 424&lt;212&gt; DNA&lt;213&gt; Homo sapien

tgatcgcatg aaccaccgg cttgctcgct tggctttttg gccgaaacgg cctacggctg  
60ccagaagacg acagaagggg cttctccagc acccagtgct taatctcctt ggccctggaat  
120acgaggcctc cggactggga ccttctgctt tctgcagcac ctgggtgtcta agtgccctct  
180tcttgatgtc tgctcttcag tcacaaggag ctgctcatct ctccctgagg acacacgtgc  
240acaaacacac acacatgcac acacaagtgc acacacagag aggagcgtgc tcttctactc  
300cttctccctg cagtccttgg aatgcacat ctgtcctaaa ccaaaggccc accccctccc  
360tgaagtccac cctgggtctc ccaatcacag gtccgatatg caaaaacaca gatataactt  
420agag

424

&lt;210&gt; 2747&lt;211&gt; 343&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcc agaagacgac agaagggcac tgaatgaact ttaattgggg ttgttaaaag  
60acagaattaa cgaagtctaa tttttataat gaaataagtt tttgatattg ctctacttgg  
120acgatttttag tgacaaaaac tatggataaa actgcctaag cataacatta atatatttag  
180aatgycattc ttcagtgtca gtatttgaaa ttggaattag tacattgtgc attcttagta  
240ggctttatcc ctagaatcaa ttctctcagc atcaccaaac tgaattgggtg aaatagtgtc  
300aagattctgg gcaataggaa gattagtga tatgatacat tgg

343

&lt;210&gt; 2748&lt;211&gt; 337&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggtca tcatatttta tacgttgatt ctgaactata  
60gaaaaataat aatgggatt ttaattatag ctcttagttg ggaaagaaat atagagagat  
120gtgggatttg aatgcccag aaagacattt tttttactt gaatatattc ttgcttact  
180ttaccctcca taatatgttg tacattagt ctgatcaagt ttacagagtt acattttgtc  
240ttcctaacca ttcagtcagg aattaaaata tggcattgta taacaactgg gaagaagctc  
300atagtggata taaattagag tagataatgg gtcacct

337

&lt;210&gt; 2749&lt;211&gt; 406&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga gagagagaac tagtctcgag agcagnnntt tttttttttt tttttttggg  
60gggggaagggc ttttttttga aaattggggg aaaaattttc ccggccccc gggaaaaaac  
120ctgggtcccc ggggaaaacc ttttacccca aaggttttta ccgtgggcaa ttaaccgaa  
180cctaaaaattt tgggaacata aattgggtggg gggcccaaag gaagggaaaa aaaaaattcc  
240tttctttttt tccccccctt ttttttaaaa aaaaccccc cccccccctt aatatttttt  
300ttagggggcg cttttttttt cggggccttt gaaaaacggc tttttttttt ctttcccc  
360cggaccaggg aaaaaggggc cccttgtgaa aatttaggga aaattg

406

&lt;210&gt; 2750&lt;211&gt; 371&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggtgt gtagctatt actgctctc ctctgactg  
60ctgtcatttg ttgagcatct gttgactaa gtgctttcta tattcagtaa tcttttttaa  
120caacctctca cctgaaaga cagttaatct gttagggtgca ctgttacttt atggattagt  
180ttatgatttg gttcattaag cttttattaa gcaattgcta accgccaggc atctggatac  
240ttgactaagc agcaggtata aaagttaaac gaagtatagt ctttacagtg ttttagaaga  
300gattatagtc tcatagactc gggtaggtta agcaaatat tagtcacaca gctaataaga  
360gacagctgag g

371

&lt;210&gt; 2751&lt;211&gt; 340&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggcag actttgctac ttagtacaca aacgggggttc  
60cctttttaaatt ttgttctactc tagtttagcat ttgcagaagc tgtgaaaaat tacagagaga  
120tgatgtgttg ggtaagagat gggtttaaag tccagcttgc tgtttttcat taagtgtctt  
180gaaaatgagt aagtggcggt cctggagggg aacaatcata taattccgca ggggtgggtct  
240aaacttgttt tctgatagtg tttagcagct catggctctg agggcacctg ataacacagc  
300agccaggcgc tgatgagaag tgtgtgccag acagaccn

340

&lt;210&gt; 2752&lt;211&gt; 397&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagcagcg agaagtcacc tttctccaga tcaactctgta gagtcagtgg actcaatata  
60gtggcagcag gattttaata taaactggca gactgattct aaaatttaca tagaggccag  
120ccgtggtggc tcacacataa tcgcagcact ttcggaggcc actgcaggaa gatcacttga  
180gcccagaagt taaagaccag cctgggcgac agacacttcg tggcttattt ttttttaatt  
240attaaaaacg aaattttaa caggtgtagt ggctcacccc tgtaatctca gcactttgga  
300atgctgaggt gggcagatca cctgaggtca ggagttcgag accagcctgg ctaacatggc  
360gaaaccccgct ctctactaat aataccaaaa aaaaaaa

397

&lt;210&gt; 2753&lt;211&gt; 350&lt;212&gt; DNA&lt;213&gt; Homo sapien

gcctacggct gcgagaagac gacagaaggg cagctgcatg cctctctgcc tctctgtct  
60gcccacctcc tcttgcatg tgctactctg ctctgtgact gctcctcatg cagctcgcag  
120ccatgtttcc tctctgcttc ttgatttgct tcagctcctt ctagtgctt gaaactgaag  
180ctggcctgta gttgggatca aagatggagg gagaggggag attgtactat ggatagtga  
240gggcaagaag tgaattctta cactggaatg ataaaaggaa cctgcttctt gagtttctta  
300aaattgtgtc tggaaactcag atttgactg ctagtatag tagctgctgg

350

&lt;210&gt; 2754&lt;211&gt; 381&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gatttatata tattatacaa aatattattt gcatttaaca tattctgaac  
60caatagtctt ttctacaagc agaacattaa tattcttgct actctgaatg taggcacaga  
120tttttgtcat cctttatctt tttgtgtgt gtgtgacaga gtctcactgt caccaggctg  
180gagtgcagtg gcgtgatctc ggctcactgc aacctctgcc tcccagggtc aggcgattct  
240cttgccctcg ccttttgagt ggctggggtt gcaggcgcgt gccatcacgc ccggctcatt  
300tttgtatttt tggtagagat ggggttttac cgtgttggtc aggcgggtcc tgaactcttg  
360accttggtgt ctgccaact n

381

&lt;210&gt; 2755&lt;211&gt; 388&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgca agaagacgac agaagggata caatcagcta gaaattacac ttatgccatc  
60tcctaaaaaa taccatgcag gattttgtga atgaattact ggaaatccat ctaaattgtct  
120ggaagacaat tctaaatgca taactttctc atggctctaa gttgtgctgt tcaactatgg  
180aaccattatc cacatgtggc tgtttgtgtt aattttttac attaatata actcaattac  
240actagccacg tatcaactgt taaataataa ccacatgtgg ctagtgcta ttacactgaa  
300cagcataaat agagaatatt tccatcttca tagaaagctc tcttagaagc atttgtctaa  
360aatgtcatct tcatgtatga taaatagn

388

&lt;210&gt; 2756&lt;211&gt; 368&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggttg agagactttg cattcctctc tccccagca  
60ttgaacatag aagctctgta atgttagagc catgaaattg acccaatctg gattgatgat  
120aaagacagct gcctgaaaaa gtccctgac taagcatgaa tgaaagataa actttatgtc  
180ttaaattatt aagattttgt ctttgaata gaagcattag cctatcctat cctgactgat  
240atgaagccat ttacagcttt taggtagaca tgtaacaagg tcagatttgc atttttaact  
300atcacttttag ctgtagcatg gagaatggat gagagggata tgaagtcggg aggtgttcna  
360ctacctcc

368

&lt;210&gt; 2757&lt;211&gt; 369&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgattcgaat tccgttgctg tcgagagccc ttcctccctt tccacatggg aagcactgag  
60cccaatttct tctcaccoca cagatgggtc ctcagagcag agatgtctaa tgaaagggtc

120agattcagat cactaacttt ccattcttcca ctttttccag tgggtggccat gttcccccg  
180ttgccttcac aaaaaccttg tgaataatac aagccatag gactctgatt tacagttag  
240aagatgagca gaggtgggtg tgagttgccc agtcatgttg ctagtgttg aagaaactag  
300gattgttctc aggtcttggg ctcttgccc atagaccagt ggctctgtgt tctgatggg  
360tattgggga

369

&lt;210&gt; 2758&lt;211&gt; 405&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggc cacttgtaaa agctgaactc tagtctgtgt cctccattct gcccccgccc  
60ttcctcccct tatttgtaa atgaagcaac atagtgaagac gtcgtctcta caaaaaaaaa  
120gaaaaaaaaa aattagccag gcatgcgaaa cgctgagggg ggaggatcaa atgagcttg  
180gaggttgagg ctgcagtga ccttggtcat gccactactg cgttctagtc tgggcaacag  
240agtgaagacc tctctcaaaa aaaaaaccca aaattgtaaa attacttcta tagctatatt  
300ttatgataaa aaagggatgg tttctcaaaa tcgcatttta aagacgtttt atggaaacttg  
360ttggaatggg gacttaggag ttttgatttt gataaaaaac tggaa

405

&lt;210&gt; 2759&lt;211&gt; 399&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagat ttgcccattg tgctcgggct ggtcctcgag ctctgagct caagcgatct  
60gctgccttg gctcccaaaa gtgctgggat tacaggcgtg agacacacca tgccctgcct  
120ctcaatacac tatttaatac atcagaccct ttggtacctc taggcagagg accgcaatta  
180atttatgagc agctgttgc gtatcatgt aattatgttt gactacaaat gcattcttac  
240aaaatgggccc tagtggaatc ataataaaa tgggtcagat taacttaatt cagattaaga  
300aaattgtttc atactgaggt aagcgattga aaaattgtct atttaaaaat gcagtgcatt  
360ttaagagtt actatttgag gatctaaaat atacagaga

399

&lt;210&gt; 2760&lt;211&gt; 375&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaatacgac agaagggtaa ggtgctggga tatggctgag aacaaaacaa  
60agtccccatc cgcacagagc tgacattcta gaacagaaga tagacaataa acaaggtaca  
120caggcaaaat acatggatgt tggatgaaga agaatcccat ggagaaaaaa ataaaacaaa  
180gaaggagagt tgctatgaca gtgaggccaa gataattgca ggaaagtagc cctgatacca  
240aggagacaat aaaccactac ttcaggactt ctagtattt aagacaaata aactgggttt  
300gtttaagact ctgttaattt ggttttcttt acttacagct gaatgaattc ctgagaccgt  
360gtgtaggaag gtgca

375

&lt;210&gt; 2761&lt;211&gt; 374&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg cagaggttgc agtgagccat gattgcaccc ctgcactcca gcctgggcaa  
60ccaagtgaga ctgcgtcttt taaaaaaaaa aaaaaaaaaa aaaaaggggg caaaagtttg  
120gggggggggccc cccaattttt taatttttta aaaagtttgg gcccgggggg gggggcaatt  
180ccctgaacac cccccctttt ggaagcccg ggggggggga cccccggggg cggggatttc  
240aaaccacccc tgcccaccgg gaaaaaaccc ccccttttat aaaaaaaca aattaacccc  
300gcctaagggg gcctcccctg tatccccct tctccggggg gggggggagg gaaaaccttt  
360taacctgggg gggg

374

&lt;210&gt; 2762&lt;211&gt; 375&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggacc tcattacagg agtaggagtc catttcatac  
60aaccttgat tgtgtggcat cagcagtctc aacactgaac cagttgtcag ggaggggtgca  
120aactgacccc ttcaatgcaa actatctatg caaactgacc cttcaaagg ccattgtgag  
180caggattatc cagatgttag ctgccacct cagggaattg ctgttctagc tttgctttgc  
240tcactggctc tgtgccacat gatgagcctg cactttcagc tcagctgctt tgtgctgctt  
300ttactgagtt tggctgagac tctttgagag aattctctga cctaggtcag taatttagat  
360aatattttgt tagtt

375

&lt;210&gt; 2763&lt;211&gt; 398&lt;212&gt; DNA&lt;213&gt; Homo sapien

cagaagcctg gattcaattt tcattcctga taaattgtac gaactttggg cataaatatt  
60tcaacttcag cctctcttcc tctgaagtag gatttatagg accttgcta tcttgaatta  
120cagtgatatt tacttagaat gggtaattc catttaaac ttttttttg ctgctcaggg  
180aaaagtgact tgataacaca cagagtgaac cctcatgttt gcaaattcca ggggccatgc

240ctagtgactg cataatacga ggggctggag ccctgatccc tgtcataagg catgtaacag  
300cctgcatccc tagatttcag ggataactct ctgaagcctg gaaaggggtca gtattccaca  
360ggctgcgccc tctcatgctg tccattttga gtaaccg

398

<210> 2764<211> 376<212> DNA<213> Homo sapien

tctacggttg cgagaagacg acagaagggg tttttaatt gttacaaaa aatcaactaa  
60attgttcaca tgagaacatg tcctggcaaa aaaagaaaga gaaaataaga gaaaacaact  
120aaattgttgt taatgttaga taaataagag gcacttattg attcaaccac agttttctgg  
180agatcaactt taatttttgt ttgtactttg gtggtagctt ttttcattgg aaagaaatcc  
240aaaattaaaa ttacattgtt aactaaatct tacttttttg tgtgaatttt tgtaattaat  
300tttcataaga cactcttgtc tttgagtaag tttcttggtt gtaaacaaca caacacaatt  
360tatcactatg aatgaa

376

<210> 2765<211> 383<212> DNA<213> Homo sapien

ggcacgagta tttattgaat tcttatttaa aacaaacaga aacataaggg gcaaggggca  
60gggagaggaa agcctggcgc ctacaaacat gaaataacgt aagatgtaaa acattgattc  
120atatacaaat ggtaaatcc aagtgcctctg ctactaacta tggggcacct taaacattgt  
180tcggcaagaa gaattctcata gtgtgataac ttaatgcttt aagtttaaat atatttcata  
240agttttacca atctgatgtg ttattttcta tagatttcca gcacctatct agagagcaat  
300tggcctatac cgctgagtcg ttattatgtt ggtgctaact tttgttgact agcatttgc  
360gcaagaggca ttctgggaag agc

383

<210> 2766<211> 373<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggaaa tcataaggat attcttattg tgaataccct  
60gtagcagggt aatctggact caaatcaggt tgcccatggt tcccaaattc acttcattac  
120tttcccaacc acttccccct taacttgctt tcccctgaac cgtagcaaat agtaatgcat  
180gacaagctga taggaggga aacatgacaa gtgaggttga gttagaaagg aaaagcaggg  
240ctatgaggaa ctgaataaga gatcagattt gtatttttcc tttggagtct tgagaattgt  
300aatatttgaa acccttggca gaaaataaaa tcataacca gtgactcaga anaaacatac  
360taatgctaac tgt

373

<210> 2767<211> 379<212> DNA<213> Homo sapien

cgttgctgtc ggaggaggag gttgattatg atgatgatga ggaccagggg tcagccacac  
60tctctcagac tctcagccc cagagagtat caggggtttt tccccgtcct catggacccc  
120accactgccc catgactgct actccccgaa agcttccaga gggtgagagt gcaccacttg  
180agcttctctgc cctcctgca ctgccccca aaatcttcta cattaagcag gaacccttcg  
240agcctaagga ggagatatca ggaagcggaa ctgagcctgg aggagcaaag gaggaaacca  
300aagtgttttc tggaggggac actgaaggga atggggagct agggttcttg ttgccttcag  
360ggccagggcc aacatctgg

379

<210> 2768<211> 338<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtg gctgtgaatc agccatgatg ctgagtgtca  
60caagagagga ctgtgcggct gggagggctt ataacaggat ttaacctagt tagggaagat  
120ctgaggaagt gatgaaagaa tggaaatcaa tatgtaagag ctcaaaagtc agagtggat  
180gtttcttctt atactgctg cttctaata gcatccactt cattgaacca cctcttcatt  
240gagccaaacc taccatacag ggatacattc tctggaggaa agttgagcaa ctattgcatt  
300tgggacatta aagtatgggt gggctgacag gtatgtgn

338

<210> 2769<211> 390<212> DNA<213> Homo sapien

ggcacgaggg caggcagatc acttgagccc agaagttgag accagcctgg gcaacatgg  
60gaaacctcat ctctacaaaa aatacaaaaa ttagccagac atgatggtgt gtgcctgtgg  
120tcctagctac tagggaggca gaggtgggag gatcacttga gccaggagg tcgaggctgc  
180agtggagctgt gatcgagcca ctgtactcca gcctgggtga cagagcgaga cctgtctta  
240aaaaaaaaacca ccaacaggga aaggccagga cgacgaggag aagttggtat ctttttgta  
300gtccagagt ttgtgctggt gaaagaaggt taggatgtan aaaagggtatt tagagacata  
360cagtggctgc tcttcagtat tcttcaagg

390

<210> 2770<211> 375<212> DNA<213> Homo sapien  
tacggctgcg agaagacgac agaagggagg agttgggtga ttgacattgt tgagctctgc  
60aggaaatctg ttagtctcca ttcccgagg tcttgctatg tagaaaaatt ggatgacttt  
120attgcttaag tcaactataag aatgttttct gttacctgca acccaatgca cccaactaat  
180aaagtatgtt tctagaaata cacttgccctg cactcatttt ttaagacaca cagaccacat  
240acacatggag agatattttt aaaggtcttg tactacataa attgtactat tttttaattt  
300aaaaatatgg gccaggtgca gtggctcaca cctgtaatcc tagcactttg ggaggccaag  
360gcagggtgat cacaa

375

<210> 2771<211> 379<212> DNA<213> Homo sapien  
tacggctgcg agaagacgac agaggggtca ggagtttgag accaacctgg gcaacatggg  
60gaaacctgt ctctatttaa catacaaaaa aaattagcca ggcattgggg cacacctgta  
120atcccagcta ctggggagggtg gaggttgtag tgagccgaga tcatgccact gcactccagc  
180ctggggcgaca gagcaagact ctgtcacaaa aaatattctt cccagttttc atcatcatgg  
240ctacaagtta ccaaggtcat ttgtttattt ggtcatttcc ttgagggcga gagggccaat  
300tgccttggtg ttgtaccagc gccaacctc tgatgtttgt tgaattaatg aacacccatt  
360tttcagatca ggaaagggg

379

<210> 2772<211> 330<212> DNA<213> Homo sapien  
tacggctgcg agaagacgac agaagggaaa gtatataaca aaaattgtat atatcaacac  
60aattttaaatt tcaaaataag aatgttgaat ttttaaaaag caagttgctg aggtaataca  
120aatgtatgac acaacttata tatagtttaa acataatata acaagagcaa atagtaaatt  
180atgaatttga atgcatatgt gtggagagtg tgggggtgag tgtggatgtg ggggggatgt  
240nnnnnnntnn tgnnnngntg tgttntann ngttntttt tttcttttt ttgnttttt  
300gggggtggtta tgtgtcagg ggtttggtt

330

<210> 2773<211> 348<212> DNA<213> Homo sapien  
tacggctgcg agaagacgac agaagggcat acagttggga aaggaagaag caaatatata  
60tttatgtata gataattggg ggcacaaaac attctagggg acctccaaaa tatttactag  
120aataaataaa attagcaaa ttataatgaa acataatgtg gccaggcatg gtggctcagc  
180cctgtaatcc cagcactttg ggaggccgag gtgggttgac cacctgaggt agggagtgtg  
240agaacagcct ggccagcatg gtgaaaccct gtcttacta aactacaaaa attagctggg  
300catggtggtg tatgcctgta atccagcta cttgggagggc tgagtcag

348

<210> 2774<211> 408<212> DNA<213> Homo sapien  
gtcttgctgt tcttaacctt ccaaagcagg caagtagacg cacatgtgtt ttacacacgt  
60cattggaaga aggttggaac taccagcttg gttgcaagga aagaggcaat tgtgaggat  
120ccttctcaca ctgcagtaat ttgctgagtg accttgaaca aggatcttaa tgcacagag  
180tctgtttcct caaccccaaa atgaagggtt tggaccagat gccctcaagg ttcctcaagg  
240gtcagctgtc acagttctcc aaagttagtt ttcaggcaga catagagtta gccagtgtcg  
300cctcaccagg acattttgtt ttctgaacat tgggcctctg tggtttgtca catacaccca  
360ggggactggg ctcataactc cctgaagaac ctctgccag aacaaagg

408

<210> 2775<211> 337<212> DNA<213> Homo sapien  
tacggctgcg agaagacgac agaaggggtct ttcataatac ctaactaatg atgtcactct  
60aatgcttaaa catgcttcag tagcctcagg ataaaactct gtggtaaggc atcaaaggta  
120ctcaaattgt aggtcccaga gttctacatg gggagcatct acttggtgct tgtatcatgt  
180ctttctcaac ggtccctatc gcctagaaga agagttaatt gcttctttct tactgtcatt  
240tcatgccttc agaataaatg tatagcacat ttcaccaggt tagaaaactcc acaaagggtg  
300attcactgct atatttctag ggcctagaaa tctaggc

337

<210> 2776<211> 338<212> DNA<213> Homo sapien  
ttactgttgc gagaagacga cagaaggggc tgggggagct gcctgtgcc tggcctggcc  
60aggaggtccc tcttgccgct cagctgcccc tgcaactgca cgtcccatg ctctgcagt  
120cccaccagac agacacctct taggaagcgg catgctccct gggacaggcc ctgaggcatc

180acggcctctt gtgaaattat caaacgtcac caggtgccag aggcaggtgg gcagaacgag  
240gctgaggttc actgggatgc tgtggttaag gcctctgctg acctgtgctg tgccggccac  
300tgggagtgtg aaatgagcaa acgggaacag aagggtgg  
338

<210> 2777<211> 376<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtct gttttgtaga gtaaatcgaa ggatctgttt  
60tggtatataa cacatttact tttcataaat ggtgttatct ggcaggtatt ttttggcttc  
120cagaataaaaa gtttttaaaat taaaaggggt atccaagtat ttttaggagc ctagtatttc  
180ctcacttact cccaaactct aaaagtagat tggctttatg ttaaacagag aattcgtaca  
240gaaaaaatct tcaggactgt attcattcca taaataatgt actttatttt attgcatatg  
300gctattaagg agggcatcca tgatcaatac agactaaata caatgcacta ttctagtcca  
360gtttattctc gtctcc  
376

<210> 2778<211> 357<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtct attactcgac tttgaatttc tcacacagct  
60ggcattaaat tcctcttctc aagaaactta caagtagttg tagattatta tcaccagagc  
120tgtcaatata tgtatctgca agaaactgcc agaaaacagc cagtatacct gtaaagggtt  
180caagctaaat agaatttata aagacactat tacagagata taggcagagt tagggactgg  
240caccagga ctcacaatag cagggaagccg ttagcacctg cgatgggctg aatcatgttc  
300ctccgagact cacaagttga agccctatcc cccagtacct gataatgtga ctgtatn  
357

<210> 2779<211> 375<212> DNA<213> Homo sapien

tacggctgcg agaagacaac agaaggggga gaggaccag atgggcttgt tgaagtacca  
60gtgggtaatt ggtgaagtgg ccaagggtat gaggagtgc gggtaataaa gaaagagcaa  
120gggaagggaag ttgaggtgtg gtataagcag gaaagctgt tggatgcaag gttggagtta  
180gtgggggctg gaataaaaaag atgtgacct acaactatta atgctgtctt gttaaacaaa  
240atgatttgtg tggatctgtg tgaaattctg acttggctag cctatttcaa aatgcacgat  
300gaggttgttt ttaaataaac ttacgaattc agtttttccc tatttcccag accgtgattt  
360gacatatctc acagg  
375

<210> 2780<211> 337<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggagga cttaaaacaa taagcattta ttactgatct  
60gaagtccaca ggtcatctgg gtcagtctct gatctgagcc agcctcactc actcatgtgt  
120ctgggtccact ggcagtttga aagggaacct aattcacatg tctggcagtt ggctgaatgt  
180tggctagagc aataggatga ctagaccata taccttttgt tctccaacaa acagttgcag  
240gggaccaggg gagcaagtgg aagcatgcaa tgcttcttaa ggtctagtat cagaagttgc  
300acactgtcat ttccactgaa ttatttagct gaagcaa  
337

<210> 2781<211> 391<212> DNA<213> Homo sapien

cgttgctgtc gggacaaaagc aaaacacata ccataaatgc ttatcattta gatcccaggg  
60gccccaaatc tgaactggag catgagtttt atgaattaga acctctggct tcccacagct  
120gcactgcccc tgagaagacc acttatgaag agaccacat ctgctctgaa tttttcaaca  
180gccaaagcaaa gaatttaggg atgcctgtgc atgcagctta caacagtga ctcagcaaaa  
240gcactgaaag tgacgtggc tctgccttgt tacagcccc tcttgaacag cataccgtgt  
300gtcacttctt ctctctgaat cagagatgta gctgccaga tgctacaaa cacttgaact  
360atggcccaca ctcttgccag cagatggggg a  
391

<210> 2782<211> 378<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtgt aagggaagg caaatactgg atcttgggaa  
60ccactgtaat ctactttgtg tctagcctat ttcttatatc cattgatggg tcttgcctg  
120gctgtgcttt cctgttggct ctctttgatg ctggattctc tgtacctgc tcccacactg  
180cctcctgctg gctttcctca gatatcaagg accaagtagt cacatttccc ctaccatgca  
240ttgggtgtgc ttcttcaactg aagaaaacac ctagggactg accactcctc cctccacca  
300gatcttccca acccagtgtg ttctgaggct ttagggtaag gcagctagtg aaatttttct  
360ctccaaatcc tggaaggg  
378



<210> 2783<211> 362<212> DNA<213> Homo sapien

ggcacgagat gaaggcccat gaggcggctt ttattgaaca ggaacaaaaa gaagctgttg  
60cgtgagctga gaaagcaccg ggagcgtgtg gagctgatga tggatctgcc tggggtttcc  
120attgcagacg agggggagac tggcatgttc tccttggtgca ccatccgggg tcaccagtta  
180ttacaggaag taacacaagg ggatatgagt gcagcagaca catttctgtc cgatctgcca  
240agggatgata tctatgtgtc agatgttgag gacgacggcg atgacacatc tctggatagc  
300gacctggatc cagaggagct ggcaggagtc aggggacatc aggggtctaag ggacaaaaag  
360cg

362

<210> 2784<211> 336<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggcag ggacatgtct gaceccaccc agtggccagc  
60tcagagcctg ataagtgtag gtgcccaggg aatgtgggtc agtgaacata agagaggact  
120tcatggagcc caggcgtggg cagggcactc cgtgggtggg tgctgagtga agaggcaagt  
180agatgaaagg gcccaggtca tcctggccat gtcaggagca gggaagggcc cacctggtgg  
240aggggatggc cagaggagct gtggggcagc attgcgggca ctcacctggg gggcctctca  
300tccccattgg gccccgactg ccggcatctc ccttgg

336

<210> 2785<211> 378<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggctg tagtcccagc tacttgggag gctgaggcaa  
60gagaatcact tgaacccggg aggcggaggt tgcagtgagc caagacagca ccaactgcact  
120ccagcttggg taacagagcg agactctctc aaaaaaagag caacaacaac acaaaaaaaa  
180accatagcca tatggcttga gtaaggaaag acagagttgc tatttgttga gatggggatg  
240acagtgaaaa gagcaggctt ggggtggtgg aaagtgcaa tgtaagtgtt cgattttgga  
300tatacttaat ttgaaacgtc attatacaac caagtggaga tcttgcattg acactggaga  
360tacatggcca aaaatatn

378

<210> 2786<211> 373<212> DNA<213> Homo sapien

ggcacgaggc aagatggagg cgactacggc tgggtgtgggc cggctagagg aagaggcgtt  
60gcggcgaaaag gaacggctga aggccctacg ggagaaaaacc gggcgcaagg acaaggaaga  
120tggggagcca aagaccaagc atctcagaga agaggaggaa gaaggcgaga agcacaggga  
180acttaggctg cggaactatg tcccggagga tgaggacctg aagaagagga ggggtgcccc  
240ggccaaaccg gttgcagtgg aggagaaggt gaaggagcag ctggaggccg ccaagcccga  
300gcccgtcatc gaggaggtgg acctggccaa cctcgtcctc cggaagcctg actgggacct  
360caagagagat gtg

373

<210> 2787<211> 410<212> DNA<213> Homo sapien

ggcacgaggc taaacagaag agccatcgtc caggatcagg gatgtctgcc tggccttatt  
60ttattttatgg accatcccaa cctccagtc gtccactccg ctttgcttgc tcttcgatac  
120ttggcagaat gccgtgcaa cagagaaaag atgaaaggag aactgggtat gatgttgagc  
180ttacaaaatg ttatacagaa aactacaact ccaggagaaa caaaacttct ggcctctgaa  
240atctatgaca ttcttcagtc ctccaatatg gcagatggtg atagttttaa tgagatgaat  
300tcacgtcgaa ggaaagctca attttttctg ggaactacaa acaaacgtgc caaaacagtg  
360gtttttgcata tagatggcct tgatgatacg tctcggagaa atctatgtga

410

<210> 2788<211> 407<212> DNA<213> Homo sapien

ggcacgaggc tcgtcctgcg gcggccccc agccacctg ctccctatcc gtttcctgca  
60agatgggtgcc cctgcaccc cctcacccat tgctcacgga aggaaaagca gacgtggcca  
120gcctgcaccc tctgcctcc ctgagcctcc tggcctgggt ggccacagct ggcattggag  
180ccatcagcag gctccgtgca ggcggacggg ggcagcccc acagccaggg caccctggac  
240ctcactcacc agcaccctt tgggtctttc ctagcaaaat atgcaaagtg tgaccagtgt  
300ggaaacccaa aggtgagtgg gttccggctg caagccacca aggccttcagc tttgggggtg  
360agcaggggtg tctctgcact gcttgngtg gcaggctctg tgcccn

407

<210> 2789<211> 388<212> DNA<213> Homo sapien

ggcacgagtg aaaaccttat tagtggtgtg atagtagaga agcttttagt caaaagtcag  
60tttattaaat gtttagaata ctaaacagg aagaaaattc tattgttttt tataacaaag

120tggagattt caagaaagga caactcactg tacacttgag aataatacct acagaggttc  
180atactgaaga gtagtctcaa taatgtaaag aatttgacaa gcatgatgct attgaaatag  
240ttctgtaagg aagtgggtgt ctttatacat caattattac aaaaagcagt gaattgtaag  
300tgtgaggtgt gtttacttag atgtgaagag ttctccttac tgctgtgatg gaataacaag  
360ggtcagattt cctctcctgc cttaaactn

388

&lt;210&gt; 2790&lt;211&gt; 334&lt;212&gt; DNA&lt;213&gt; Homo sapien

tctacggttg cgagaagacg acagaaggga accagaacca tatagttagt gggatctggg  
60aaagtagttc ccagcttaac agttaacaca ccacgcacca ccagtacaat ttgtgttttt  
120gttctggtgg ttaccattat attaatacct ttatatggta ttctaatttc cttctctttt  
180gggggggagg ggtattatgt gtctggctct cccattttac attaactatc actaatcttt  
240taaagtagta ttacattagt gtctttatcc gcggactgcc tcaattttca ttttattttc  
300tccatgagtc aacggccctt attcatactt taac

334

&lt;210&gt; 2791&lt;211&gt; 399&lt;212&gt; DNA&lt;213&gt; Homo sapien

ctccgttgct gacggtgccca gggaacgga ttcattctacc cacgaaggac gcgggagatg  
60aggtgccagg gtaaacagcg ggaccgccca ctatgtcacc ctttctgccc gactgcccg  
120aggaactgca tgcagggcgg ccggctcgtt ggcaggcaga ggcaggaaga ggcgcggagc  
180ccgctcgtgg cgaaaagggg agtgccggcg gaggggaggg cagaggcagg cggccggtcg  
240cgtggggcct gggccgcccc aggaggccct ctggctggat tcttagcaga tggaagccgt  
300gcaagggcag gaggcagggg cctgacgtgt ttggattgag gttgcaggag gggcccctgg  
360ctgcttcagg gagaataatt tggaggcgag cggngagg

399

&lt;210&gt; 2792&lt;211&gt; 395&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcnnnntc tgcagcggcc tacggctgcg agaagactac agaagggcac agaaggcggc  
60tctatgagaa gagctctttt aatgtgggaa ttgatataca agaaggtact tagtccataa  
120gatcaggatg tacaagataa cccagaggg cgtcagcca agcttagagc cactatcaaa  
180ttataagtta ccatcatctt attcttcaaa tttttctgct aggttctcta gtctttactc  
240atgggtatgt cctgaatgtc ttgatatagg tttaagtatg ggacagtcta aaaattgata  
300acatttagca ttttttttcc tcacaaagaa actgtggaaa atatttagcat gacagagaaa  
360gttccactca cggagtagca tctcaagacc ggaaa

395

&lt;210&gt; 2793&lt;211&gt; 372&lt;212&gt; DNA&lt;213&gt; Homo sapien

tctacggctg cgagaagacg acagaagggc ctgagggtct gctctgctg cctgaggact  
60gacccaagct atattctgag tcagggctag gggcagctta gtgccaccac aaaggccttc  
120cctcagcata tataacctca ctgtctccca ggagctatgg gggtaataca ggcattggga  
180gatgctggag ggaggcaggg tcttaattgg ctgatcaact caaccaagta acattggta  
240atggcccaag gtcaatgtgg ggagtgtcaa ctggataaat gatattcagg gaagcccctc  
300cctgttctgc tgcaagtctg gagagcatgc cacagggtgag cagcgcttgt gaaggtaaga  
360tatggaggcc ac

372

&lt;210&gt; 2794&lt;211&gt; 372&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagag agagagagag agctagtctc gagagcagct cttttttttt ttttttttg  
60ggggggggga aaaaaccccc ctttttttg gcttttaaaa aacaaccctt ttcagggaac  
120tgggggactg gaaaataaaa ctcccccggt gtgggtttt tgggaacctg aagcctttta  
180gaaggagag ggtttttttt ccaaaacccc aggggagggg gggctttgca tttttggaac  
240acaaaaagg gccccccctg ggggggaaa aaggctaaac cttccccctt acctggggaa  
300tgagcccccc cttttgtccc cttctggggg ggggggacgg ggccttttt ttttttgacc  
360cagggggcgg tt

372

&lt;210&gt; 2795&lt;211&gt; 393&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt cccacctgaa gaaaatccat ggggtgcagc agcagtatgc ctataagcag  
60cggcgggaca agctctacgt ctgcgaggat tgcggctaca cgggccccac ccaggaggac  
120ctgtacctgc acgtgaacag tgccccatcc ggcagctcgt ttctcaaaaa gacatctaaa  
180aaactggcag cccttctgca gggcaagctg acatccgcac accaggagaa taccagcctg  
240agtgaggagg aggagaggaa gtgaggagaa ggaaggggag gacagacgtt cacactgcc

300cgtatgtcta cgtggatttt tggttttcag cttccccac cccactggct cttcttaatt  
360agaagtgacc agttcacctc tgtgtccttt tga

393

<210> 2796<211> 353<212> DNA<213> Homo sapien

tacggctgct agaagacgac agaaggggaa ggatgtggct ctgccatgaa ggatgtcctg  
60ttgcttttaa aatctggaag cgattcaagc caagctgacc aagaagccaa agaactggct  
120aggcaaataa gctttaaggc agaagtcaat tcatctggaa agactatctc tgagtcagac  
180ttaaaccact ctttttctact aactgattta caagatgata tacctacaac attccagggg  
240gctacggcca gtacatcgta cggagtccag aattcctcag cagcatcctt tcatcaacct  
300acccaacctg tagctaagaa tacctccatg agccctcgac agcgccgggc cca

353

<210> 2797<211> 379<212> DNA<213> Homo sapien

ggcacgaggc aggaacagcc ctcaagcctg tgtcgggtggc ctgcacccag ctggcatttt  
60ctggccctaa gctagcgccc cggctcggcc cccgcccagt gcctcctcca cggcctgaga  
120gcactgggac tgtgggcccga ggccaggccc agcagagact ggagcagacc agctcgtccc  
180tggcagctgc actgagagcc gcagagaaga gcattggcac caaggagcaa gagggcacc  
240ccagcgctc caccaagcac attctggatg acatcagcac catgttcgac gccctggctg  
300accagctgga cgccatgctg gactgagccc tccagcagtg cccactgtga cctgccgaag  
360tccactgcct ttgccccag

379

<210> 2798<211> 380<212> DNA<213> Homo sapien

ggcacgagat tcttttgtct aaaacttattc gaaattgatg cttgtactct actggctccc  
60tgatgatagt agaaaagcac tagtaatgta ccaaatgaaa ctggttgtgt accagatgat  
120tttgttaact tcttaaatac cctagaaatc gtcagcaggt cacatacaac tgcagtata  
180atttcagaac atagcaaaat ggctgataat ttggatgaat ttattgaaga gcaaaaagcc  
240agattggccg aagacaaagc agagttggaa agtgatccac cttacatgga aatgaagga  
300aagttgtcag cgaagctttc tgaaaacagt aagatactga tctctatggc taaggaaaac  
360ataccaccaa atagtcaaca

380

<210> 2799<211> 340<212> DNA<213> Homo sapien

tactgttgcg agaagacgac agaagggggg tgtctgaatt gggaccggaa aacgttgctg  
60ctcatcctat gacgcgaaag taaccgagac tatcaggatc cggagacyga aatgtccgaa  
120ggcagcagta cttgacctg tattttggga gtcgaacgga gaatggaaac tgaaagtgga  
180aatcaggaaa aggtaatgga agaagaaagc actgaaaaga aaaaagaagt tgaaaaaag  
240aaacggtcac gagttaaaca ggtgcttgca gatattgcta agcaagtgga cttctggttt  
300ggggatgcaa atcttcacaa ggatagattt cttcgagaac

340

<210> 2800<211> 368<212> DNA<213> Homo sapien

tcgaattccg ttgctgtcga gagctaggag ttggatgggg aaggacgccc ggccaaaagc  
60caggaaaagg ggaagcgcct ggatggaaaag gacgagtttg aggacctcga gtggtccgag  
120gaggtccaga agctgcagga gcagcagctg cgcagcgacc tcttggaaca gtaccgttcc  
180ctgctggtgg agcggaaaccg ctcccagcgc tacaacctat acctgcagca caagatcttc  
240gagggcgtgc gcagaaagaa gggcctggag gccgctgagg tggctgaccg gggcgagag  
300gccgaggccc ccgagaaaga gcaagcgtac ctgcgccatc tgggcatgct ggaggagctg  
360aagaagcc

368

<210> 2801<211> 413<212> DNA<213> Homo sapien

cgacgaggca agatggaggc gactacggct ggtgtgggccc ggctagagga agaggcgttg  
60cggcgaaaagg aacggctgaa ggccctacgg gagaaaaccg ggcgcaagga caaggaagat  
120ggggagccaa agaccaagca tctcagagaa gaggaggaag aaggcgagaa gcacagggaa  
180cttaggctgc ggaactatgt cccggaggat gaggacctga agaagaggag ggtgccccag  
240gccaaaaccgg ttgcagtgga ggagaagggtg aaggagcagc tggaggccgc caagcccag  
300cccgtcatcg aggaggtgga cctggccaac ctgctcctc ggaagcctga ctgggacctc  
360aagagagatg tggccaagaa gctggagaaa ctaaaaaagc ggactcagag ggc

413

<210> 2802<211> 386<212> DNA<213> Homo sapien

cggttgctgtc ggcggtccg atttatgtct gtgggagtct cggagacgtg tctgggtgtg  
60agggcgtggg tgcacgtccc cagggtcttg ggctaggaag gcagcggcga ggtgcctccc  
120cacgtacccc tcgcgggccc agccgagcaa cgtggggcga aggcggcggc gaaggcccgg  
180gctgggagcg ttggcgggcg gagtcccagc catggcgagg tctgtggagc gcctgcagca  
240gcgggtccag gagctggagc gggaacttgc ccaggagagg agtctgcagg tcccagaggag  
300cggcgacgga gggggcgggc gggtccgcat cgagaagatg agctcagagg tgggtggattc  
360gaatccctac agccgcttga tggcat  
386

<210> 2803<211> 344<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggttt tcaaactgga gaaagtgatg gatgatttca  
60gaacttcagc tcctgagcca agaggtcctc ccaaccctaa tgtcgaatat attccctttg  
120atgaaatgaa ggaaagaata ctgaaaattg tctactggatt taatggatc ctttttacta  
180ttcagcgact atgtgaattg ttaacagatc caaggagaaa ctatacagga acagacaaat  
240ttctcagagg agtagaaaag aatgtgatgg ntgttagctg tgtttatcct tcttcagaga  
300aaaacaattc caatagttta aatcgaatga atggtgtatg tttc  
344

<210> 2804<211> 437<212> DNA<213> Homo sapien

tagtgcttct gagattccat ggagagcttg ctgatcttn ngccccgcgc ggcttacggc  
60tgctacaaga ccacagaaag ggattacagg tgtgggccac cagcccagc cctcttgtgt  
120aatttttgat aaataacaca ttactattg ttggtttaat gaaaacagct caattctgag  
180gtattgctaa aatactgata tttaacctta agtttcttac ttaggtcaga aactcacagg  
240ctattaaaaa ggtaacagg aaatagcttt aaatgatgac tatcacagtt ttcataaata  
300acctatgtaa actatcagca ttactcatgt taatgtaatg gaataaatgc ttataaacia  
360acttgatata taatttagaa tctaaagtta cattaataaa taaaactcat taactgggta  
420gcttctaatt taaaaac  
437

<210> 2805<211> 385<212> DNA<213> Homo sapien

gcctacggct gcgagaagac gacagaaggg catagaggag taattgggta attcctgtgt  
60cttagggaag tctctctggc tcccaggagc agcatactag acacagagga ccaagtagtg  
120ggctcctagt atccttctgg tggccaaagc cttcacagtg aaaatagata ggaagagcca  
180cctcgcttgg cccgatattt gtttttaaaa ggcctggcat ggcttatgcc tgtaattggta  
240gcacttcggg aggccgaagt aggaggatca cttgagacaa ggagtttgag actagactgt  
300gcaacatagt gagagcccat ctctacagaa naattttgta gggccgggag cgggtggctca  
360tgctgtaat cttagcactt tggga  
385

<210> 2806<211> 401<212> DNA<213> Homo sapien

ggcagcagcc accatgcccc gccaaagccat gaaatcttaa tggctcaact aaacaaacat  
60ttattttctca ttcacactac atgtccatgg tgaggaagac cactctgctc catattgtca  
120ctcagagatc tagacagatg gagtctttac tatcttatga tgttgctgtc tcaacacaca  
180gcttctagag ttcctgttgt gggataaggt gtaaaaaact taaactttct cttaaagtct  
240ttggccctgg ctagcatcag tcttatgaat ctctctcagt gctagggagt tgggatgtgc  
300agtctccct gatgcccac cagaacaggc aaaccagata ttactgagt caagaaatcc  
360ctactatgtg tactgaggaa caggattcaa gctgtattag a  
401

<210> 2807<211> 401<212> DNA<213> Homo sapien

cggttgctgtc gatcttggtg ctctccaggt gatgtgttgg tgatatgggg tcaactaagt  
60aagacaggtt tccaggtaga acatagtttt tgctcatttt tctctgggtg tccagggctg  
120ccatccctac tctactctg ccttgtggaa ttcttccctc aaagggttta agcgtcttaa  
180gtgcttctca cattcccaga taagccttgg tgctctacct gggatgcagt cggtgcccgt  
240taccagatg ttgaagggat taaatacttc catgcctgaa ctgggtgattg gacttggtga  
300aatgtttttc cttttttcct cttttgtccc ctggcactgg gatgggtgtg gtctgtgggt  
360gctgtctcaa ggtgccctta aaaaaggaca actcagaaga g  
401

<210> 2808<211> 424<212> DNA<213> Homo sapien

tgctcgagag agagagagag agagagagt ttatagagag agagagagag agagagagag  
60agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag

120agagagagag agagagagag agagagagag agagagagag agagacacac tctctctctc  
180tctgagagtg tgagagagag agagcggggt gtgagacccc cccctctctc ctctctgtgt  
240gtagtgtttc tctgtcgcgc gggtattttt atctatctct ctctctctct ctcataata  
300ccttttcccc cccctctctc ctctcacaca catatttttt tttttttttt gtgtgggtct  
360ctctctctat aaaacacacc ccctcttttt tttctacttc tgtgtgtgcg ctttcttcac  
420accc

424

&lt;210&gt; 2809&lt;211&gt; 407&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagaa gagatatata tcagcttcta gtaaaagttt ttttttttaa acctgctagc  
60tacattttaca ttatgtaaaa ataaagggaa taatcactga gaataaagca gttgagtatt  
120tataacaata atattttatg gggcgcttat aatgtttata atattgtaaa ccactgtgta  
180ctctattcat ttaatgctaa atgacttgac cattcttggt ggataagaga tcattaaaaa  
240aatgctaggg cggggcacca tggctcacgc ctgtaatccc aggactttag gaggccaggg  
300caggtggatg acttgagctc aggagtttga gaccagcctg ggcaacatga tgaaaactcc  
360gtctctacca aaaatcaaaa aaaattatcc aggtgtgatg ttgtgtg

407

&lt;210&gt; 2810&lt;211&gt; 411&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagat ttanaaaaaa tactaatacc atagcattaa ttgtgatgat gaaaacagca  
60ctgtgtctac gttgtcagaa aaattgtctc tttttaccac cattgactca tttctgtgtg  
120ttcaggtctc ataaccagtc tatagtcaat gtcactcttg ggacagtatt ccttgagttt  
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240cttgatttat tctgttttct tccagcataa agtgcgtcat gaaaagcctg atgaatcttg  
300ttttcttccc ctgacagaca tatgctgggt ttcccttatat gcccaaagga ttttttcctt  
360tctctgtcaa ggcggctggt ntattcgaat gagcatgtgt agtatcgggtg g

411

&lt;210&gt; 2811&lt;211&gt; 381&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggtcc aagcaagtag ataatgtaat aatcaaaaaa  
60taaataataa agtacaacaa tactacatac tctgaaggag gggtagataa atcatgctat  
120aaaggcatga tcaaaataaa aagtttggat ctgcacagag aggtcagagg tttctctgtg  
180gaagtaataa gagaattaag aactgaagga aaagaagggg ttaactatag aacgacaaag  
240aatcacattc taaggaaagc aaataacaag cactaagatc ctgtgggttg agagaatatg  
300ttattcagta gagccacaag atggtacctg tggctagaat gctagagaga gtagagaaca  
360gataatacct ctgtagattc n

381

&lt;210&gt; 2812&lt;211&gt; 394&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt gacctcaggc ctacataacc tttctgtacc tcaacttctt catccagaaa  
60acagggatga tgctgtctac ctcatctgat ggttgtgcag gatcaaagat tcagtcattc  
120agcaaaccta taccgagtac ctactgtaca ttcatgagtg ctaggcagcc agccttccag  
180tgctcagggt acatctgtga acacaactgg ctattggagg aagcaaaatc agtaacatga  
240cctgctctct ttgatctgtg ctacagaaaa aaaggaaagt ggagaggcat caggaggtca  
300ggagtgctgg ggaggggctg gtaacagtca tggattataa gaggagggca ggcaggcctt  
360actgtgaagg tggattttga gatgaagtag ttgg

394

&lt;210&gt; 2813&lt;211&gt; 386&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggga ggattttcta attctttttc agttttgact  
60ctgtagtttt tcataagcag taggagcatg atcatgagac ttaggaggag caaactttgt  
120cccagtatag ttaagaaat ctcatatctt tatacaaaat atgtttgcag ctgaacttta  
180cataccatct tgggtctgag acagtcagat aggtctctct gtgtgtatag tgcctacaaa  
240tcccaggaat atgaaaattg tatagattcc tagttgctgg ctagagaagt gagagttgaa  
300atgttctaag atataaggaa atgcaggttt tgccttagtt atatataaag ttgtcatcat  
360agagcctagt gctgaagagc aaagga

386

&lt;210&gt; 2814&lt;211&gt; 385&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gatttttaat tgagcaataa ttgtatagat ggttcatttg gtcaccatt  
60ttgaataata tatggaaagt taaaaaatgc ttctcagata caaaggaata aagctaagat  
120gaagcttaac gtgagggtt acttactgtg gaattgcatt tcaaaactggg ctgaggtggg

180atgggtggtgg tagataagag gccagctaga gtaaacataa gctttgtagt tttattatatt  
240taagagtcag agtcttggtc tgctggccag gctggagtgc agtgggtctga taatggttca  
300ctgcagcttc taactcctgg gctcaagctg tcttcctgcc tcagcctcct gagagctggg  
360actacaggtg tgtgccacct tgtct

385

&lt;210&gt; 2815&lt;211&gt; 392&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gaaaaaaaaat tagctgggcg tggtaggcaca ttcctgtaat ccagctact  
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120attgcgcat tgtacttcagc ctgggcaaca agagtgaat gccgtcttaa aaaaaaaatt  
180tcaaactgc agcaaaggtg aaagaatact acagtgaaca cccatagcc ttctgtttgg  
240attcgactgt taaccaacat ttaaccattt tgctttaact ctatatactc cctttcttga  
300atgatttgaa attaaattgc agatatactg cttttccctg taatacctca ggatgcatgt  
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392

&lt;210&gt; 2816&lt;211&gt; 406&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggcgcggggg gcgcagctta tgaggcgcc ggacctggga agccgattcc  
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120aggaatgggt cttgtgaaat tctgagcaaa aacaaaggca aactctatct ccgaaagggg  
180cgtttgggtc acatttcttc tctgggggag gactccaaag ttctcaaaat gagaaggcag  
240aaatgaaaac acttcaactt tttttttctt ttcttcccgg ggcggtgtc ttgaacctct  
300cttctccccg cccctctggc tccgttctcc tcccctctc caccgctctc ccggactcgg  
360gggtggcgcc tgacaccccg acatttctgg acactgtttg ggtaan

406

&lt;210&gt; 2817&lt;211&gt; 405&lt;212&gt; DNA&lt;213&gt; Homo sapien

ccatcgattc gaattccgtt gctgtcgaaa attttaaagt tccattttct agccttacca  
60cgtatcaagt gctccatagc cacacgcagc cagagcctac tgtactgtgt agtgtagca  
120taaaacatgt ccatagttgc agcagctcc attggacagc atgcttagga caggagtgtg  
180gccttgtcta cctggacctg cccctaatat tggctagcat ctctcacat ggaattctgg  
240aagcctcgcc ccttcttttc ctacccccca gctctgctcc tcaactgtgca gggccttgga  
300tgtgcctgga gcagaggcca ggcaggccct ggaagcagtc ttgggctgta tggatggggg  
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405

&lt;210&gt; 2818&lt;211&gt; 386&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggc aacatggcaa aatcccctct ctacaaaaca tcaaaaaaaaa aaaaaattaa  
60ccggggcctgg gggggccacc cctgaatccc cattttgtca ggaggctaaa ggggaagaat  
120ccccctggccc caggggggca agggatccag ggaccaatgg tttaaccatt gctttttacc  
180tgggggaaaa aaaggaaacc ccgtttaaaa aaaaaaaaaa aagaaaaaat tctaaaaacc  
240cttatttttta taaaacttaa aaaggggcggg aaaaaatagg ttttattatc ttattttaac  
300aaagggaaaa ttgggggcta aaaaaataaa agtttattgc taagggcctt gggcttaaaa  
360tttgcaaac ccttgtttaa aatccg

386

&lt;210&gt; 2819&lt;211&gt; 386&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgag agaagacgac agaaggggga gacgtgactg aggatacact tgctgaatgt  
60attgattccg tcagccttga ggcagaacct agatccgaaa tacccttgca agaacagaat  
120tatctggctg tggattcccc tccaagtggg ggaggatggg caggctggg atcctggggg  
180aaatctctgc tgtcgtcagc atctgccaca gtaggtcatg gattgacggc agtcaaggaa  
240aaagcaggag ccactctacg gattcatggt gtaaattctg gatcttctga aggagcccaa  
300ccaaatactg aaaacggagt cctgaaata acagatgcag ccacagatca gggccttgca  
360gaaagccac ccactttccc ttcac

386

&lt;210&gt; 2820&lt;211&gt; 380&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgag agaagacgac agaaggatc tccagcctgg cctggcctct ccgcagcgtt  
60tcagccacag ttgcacaggt gcggctggac ctggacctgc tgaggaggt tctcagggtc  
120cggagctggc cttaggtggt caccatagtg agatcctgaa ggcttcgaag aggccacaag  
180aagtacagga atatagccca gtcttagcgg aggccatgca gcagatgggg ccctggggag  
240ggattccgga gcacctggtc ccatgctggg gctcagcatc gctgtctgtc cagggatgag

300catgcaaagg ccacatcctg ctgggtctaa gctctggatc ctgttgagga cagaactcag  
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380

<210> 2821<211> 396<212> DNA<213> Homo sapien

gacggcgctc ggggtgctgc agtccaacct gccatgtgcc gagacacttc tgacaaacct  
60ccaagaacac gtgatggctg ttactgcacc cgcgaaatca ctgacacgaa aagttcacgc  
120tggtgcctat cctacagaag aggggtgtcat cttcttgga gtgaaagacc agctgtctgc  
180catgtacctt atggatttga ccacctcat tctggacaaa gcctcaggag gatctctcgg  
240ggacatgatg cagttttgag actgggtggag attcgacgg ttttgaaaa gcttcgtccc  
300ttggacaaa agctgaagta tcaaattgac aagctgatca agactgcagt gacaggcagc  
360cttagtgaga atgacccact tcgttttaag cctcag  
396

<210> 2822<211> 382<212> DNA<213> Homo sapien

cctggcaaac cttgttggcc tggcagaaaa tataaccag gaacgtgaca gtcttatgtg  
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120cattcgcctg ggaaagttag aggaaaaagt caagggtac aagaagcagg cagcactgaa  
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240ccagtaccgg caggagatgc ggcacctgca ccagggtgtg aaggacaagc aggaggtgt  
300ggaccaggcg ctgcagcaga acagagaaat ggaaggtgaa cttgaagtta tttgggaatc  
360taccttcagg gaaaaccgaa ga  
382

<210> 2823<211> 382<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggaca taccagggtg atactctgca aaaagaacta  
60ggggtgccta tcttaattat taggaaaaac tggacttcca gaacaaaaag caacattaca  
120gatgagtttt caatttacca gggatacata attttaatt tgtatacccc taacagcata  
180actttgaaat atattttaaa aaattactgg aactacggaa tattcaaaat cacaaggga  
240cattttcaca catctcacag agggacattt tcacacatct ctctcaaaat tgatgggtca  
300aatagacaat aaatcagtaa ggagttaaaa ggtttgaaga acacaattaa gaagcttgat  
360ctaattggact tacacagagc an  
382

<210> 2824<211> 405<212> DNA<213> Homo sapien

cggtgtgtc ggcgcagtc ttagtccca gctacttggg aagctgaggc aggagaatct  
60cttgaaaccg ggaagcggag gttgcagtga gctgatatca caccactgca ctccagcctg  
120ggagggttga gtgagctgag atcgtgcccc tgcactccag cctgggcgac agagtgagac  
180ttcgtctcaa aaaaaaaaaa ttaaaaaaag agcagcttct actgcagcct cctcttacct  
240tattgccttc tcttgcctct gctccactc aaagcatgca gccttctggg tgattttgca  
300gatgggtcaa aacagcatat tcaatgttgc ctcccaata aaaaaacctt ccgaccattg  
360tacttcttct tttgtggtag gtactgcaac ttgcagcaac ttgtt  
405

<210> 2825<211> 418<212> DNA<213> Homo sapien

cttgttctnn nngccatcc catcgattcg aattcggcac gagtggaagc ctggcaggcc  
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120ttcagctgga gctggatgaa caaagcttc catgacaggg ttggagttca ggatcctctg  
180ttctatctc tctgcaatct tgtggctctc ccaagatgca ggtgaggtgg ccaccacagc  
240atagaacttc attagcagc gagacgtcca tgtctttcca gcaccactct ctccactgac  
300aacaatagac tggttgactg gttcaatcag gctcttgaca ttctgtagg tctgttcacc  
360cacagtgaac acatggggct tcagtttctg gggctgaggc gcagcatggt actctctc  
418

<210> 2826<211> 404<212> DNA<213> Homo sapien

cggtgtgtc gctcaaagta aaggatcgt agaagaagaa gaagaaagga caggaagcag  
60gaggattttt tgaagatgca tctcagtac atgaaaacct ctcttccag gacatgaacc  
120tttcccgcct tctctgaag gccattacag ccatgggctt caagcagccc accccgatcc  
180agaaggcgtg catacctgtg ggtctattgg ggaaggacat ctgtgctgt gcagccactg  
240ggacaggtaa aactgccgcc tttgccttgc ctgttttga gcgtctgatt tataaacccc  
300gccaggctcc agtcaccgc gtgtgtgtg tagtgccac ccgagagctg ggcattccag  
360tgactctgt caccagacag ctggccagt tctgcaacat cacc

404

&lt;210&gt; 2827&lt;211&gt; 357&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggata tttcttcaat tcacatgaaa acagcagaaa  
60gggagccctt atgaagttag aaaagctact ctgaacatg cttctttcta caagtttagg  
120aaaacatttc acgtaaaaat gaacaacaga ttgtggtgat ggttacacaa ctctgaatat  
180aaaacactga actgttggct cacacctgta atcccagcac tttgggaggc ggatcacaag  
240gtcaggagtt tgagaccagc ctggtcaaga tggtgaaacc cgtctctac taacaatata  
300aaaaaaaaag aaaaattagc cgggcatggt ggtacgtgcc tgtagtccca gctactg  
357

&lt;210&gt; 2828&lt;211&gt; 361&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggcgg ggaggctgag gcagaaaaat tgcttgaacc  
60cgggaggcgg aggttgacgt gagccgagac tgcaccactg cacttcagcc tgagtgcag  
120agtgcagactc catctcttaa aaaaaaaaaa gtttattctt tcctgtgggg taagcagagc  
180tgaagtttta aaaagacagg ggggatctt cattagggaa ctgggcaatg ggcttctcat  
240gttaacaatg ttgacaacaa cagccaaaag gaaaaatgta aaaacccaaa aaaaagctgg  
300cgagggggt cacgcctgta gactggcact ttggatggct gaggcgggga ttgcttgagg  
360c

361

&lt;210&gt; 2829&lt;211&gt; 375&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggatga taaagtgtt ctgcttctct ttgacaactt  
60gcatctctcc tacatggaag taagttttat tcctgtcaat gttgtcttg ttgtgcag  
120attaggatta aattatggtt tgacttttcc tagcagcgtg atcatgggca agtggctttt  
180tttttttttt gaaaaaaagt ttattttttt tcccagggtg gaagggcagg ggcacaattt  
240gggttacttg aaactccggc ccccgggcca aggggatttt cgggtggaat tttttaaaga  
300agtgggaacc cccccccccc cgggttaatt ttggattttt aggaaccaac aagttttccc  
360cattgtggga aaacg  
375

375

&lt;210&gt; 2830&lt;211&gt; 378&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggattccagg tgcattgctac cacgccagc taattttgta tttttagtag  
60agacggggtt ttaccatggt ggccaggctg gtctttaact cttgacctcc aataatccac  
120ccacttcagc ctcccaaagt cctgggatta taggcattgag ccagtatgcc cagctgttac  
180ttttttttta gccattggga aaagtgtttt aagttacatc ttgtttgctg atatataaac  
240tacaagtttt ctgttatgac ttggaattca caatctttct aaacttaatt aattctaat  
300tatctatttc tatctacata atatctgtga atgagttttc ttttagaatc ttacagcttt  
360tttgttctta caatattg  
378

378

&lt;210&gt; 2831&lt;211&gt; 371&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggggg acgttatgtg aatcttaagt cttaccagtc  
60cttgcatag tacattaaat ttggatgttt tggaagcaaa ttcatacgat cgtgagtgat  
120ttctccaaag aaaaaagcct tgtccagcct gaccaacatg gtgaaacccc atctctacta  
180aaaatacaaa aattaactgg gtgcagtggc gcgcattgct gtagtcccag ctacttggga  
240ggctgaggca ggagaattgc ttgaaccctg ggaggcagag gttgcagtga gtcgagatcg  
300cgccactgca ctccagcctc ggtgacagag caagactcca tctcaaaaca aacaaacaaa  
360caaaaaaaaa c  
371

371

&lt;210&gt; 2832&lt;211&gt; 375&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggtg tccagcccc ctaatgttga gggtttggga  
60cagggtggcaa ggatgactac agggagtcac ctaagcaaac tgaaagcagg attcagaaac  
120atagtttaat catagctcgg ttactaaac tataaaacat tctgtccttt tacttgaaag  
180aactagctga atataaatca caaacttgaa aaaactactt ggaaaccact agtttagttt  
240ttattttaat tttaaaaaat ggtaataaag cacataactt atgtgacatg gaagcaaatt  
300taaaacattt atgagtaatt atatttttaa agtattagat accttagctc aacaatagca  
360tagaaagtta ggctt  
375

375

&lt;210&gt; 2833&lt;211&gt; 348&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggtt ctaagatttc caaaatacta taaaatattc



60tcatgttctc aaaggcagaa ccagcctttt aaaatttaatt ttaatcagca ctttaaaaaat  
120tatacctatga attgatgggt gtagactaga tagttatccc taactatttt ttgtctcctc  
180ataacagaat taaatctttt tagctattgc tatgtgtctt gcctgtgcat ctaatggaaa  
240ttgtatacat ccttgccctca ctgatttagg gcttgataat atgacataat ttgaccaatg  
300ggatgcaagt acaataaatt tagctccatc ctggcagaag cttcagcg  
348

<210> 2834<211> 348<212> DNA<213> Homo sapien

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60agtaacaagg gaaatcaaca cggaattgta ggcctaaacc actggcttat aaccagatta  
120tgggccccctt taagaatctg ataagaagtt cgcattttct ttatccccag aatagacata  
180cataaaaaata atgcatacta agtatctggc attcatagac tttccctaaa tacattaatc  
240acacattatc agctcctgct gttaaagata ctacaggctc ttgaaaaatt ccctcttagt  
300tctgggtgta agtactaaca gtgggttaat tttcaacca ttgattat  
348

<210> 2835<211> 379<212> DNA<213> Homo sapien

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60tggctgagac tgccttttga ctgatgactt atgttttagt ctgatgtgct gacagggaca  
120aaatgctgga gaaggaataa aaaaggaata atccaacaag gatcaagaga acaggaagg  
180agacaatagc taatgaaagg tttccaaaca tttgggggag ttgaaaaaaa agagtcgagg  
240taattgactt aacagagaaa gctacaacct cactgattac agaggggaac acggaaagga  
300ggcaagccta tttaccccca cagaatcctg gaaaaattca gcaattggaa gtaaaaagt  
360taggtgaggc aatgagcaa  
379

<210> 2836<211> 374<212> DNA<213> Homo sapien

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60agatcaatgc tacctaccac ctgtacctgt atgggtgaag gcagaagaca gggagctcta  
120ctctgccttc cactctccct atcttatctc ccctttccct gagcaaaaata ttgtcacaat  
180caacctgtag cagatgtttc ctgtgctttt caaacatacc aaaagtctgc tcatctttaa  
240gtcaattcca ccacaacaaa gaggttgatt acaaagatcg tcaaagagct cacatgaaaa  
300tagtgtttct ctgtccattt aaaaattact cagctgatgc acttacaagc ttctaattca  
360caataatgac gatt  
374

<210> 2837<211> 372<212> DNA<213> Homo sapien

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60taattgtttg gcaaattctg tacaattaaa tctgtaaaat atttagcact atttgtaaaa  
120tactttaatg gagacatata tcatgttcat tgaacagatg actcatcaag ataccaatta  
180tccacaaact gatcaacgga ttcaacgtaa ttccattctt agtctgttta tgctgctatg  
240acaaaatacc tgagactggg taattcataa aaaacaaatg tattttggta ggtttggtgg  
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372

<210> 2838<211> 378<212> DNA<213> Homo sapien

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60caaaaagttg gttaaacatt ctcttagaca ttgcctgtag tagttaattt ggggaacaga  
120tatctttttt gcatttgagt gtaagaaaag gaaaaagaca gtttgatata ggaagttctg  
180ttgtgttctc tctctcctc ctctcaaaag atgagtcatt taaagttgat tcaggtgcc  
240gacaatgaaa aagaggggtg caatgtctgc catatgaatt gaaatgtttt gatgagaggg  
300catctgcagg agaattatct ggggggtggc tatctttctt tctctggctc tttttctctc  
360ctggatgctc agcttctc  
378

<210> 2839<211> 344<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggca ggatatcga agccctgatt agattctatc  
60ctaagagcaa cagaagatca ctgacagtgt tttaaataga tagactagtt tattagattt  
120gcagtttaga agttcccttt ttttgtaatt attggacagt gtagagaccg gatggtgaga  
180gatgagttag gaagttgtga cagctctcta tacctaccgc taatgtagag gattatttat  
240tttcatttca ttaccattcg tgtaagggtg gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt

300gtgtatatct agttttctcta tagaacatat atggggagaga gaga

344

<210> 2840<211> 347<212> DNA<213> Homo sapien

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120cgccactgca ctccagcctg ggtgacagag caagactctg tctcataaaa aaaaaaaaaa  
180aaaaacattg ccttggggggg cggccgcgg ggggtacaatg tccaacccgg aaacctttgg  
240gggtgctgggg gtgctgttcc ccaagccaag gttttctccc cccccggccc cccccgggga  
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347

<210> 2841<211> 347<212> DNA<213> Homo sapien

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60gaatctgatg gttactttta ggactaagac aaatattgtc agttcagggtc cttgggacct  
120atacctcaag aacctggcct atgcctatag ctgacctct gtccagtact tccaaatgac  
180tagaattttct ggatcaaaaa caaagcagg cagatcacta agatttggtc agacacaaga  
240aaataatgga tccaagaaag caagtcttct atggttaaga ggttaagtaa caattgtaac  
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347

<210> 2842<211> 346<212> DNA<213> Homo sapien

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120atacctcaag aacctggcct atgcctatag ctgacctct gtccagtact tccaaatgac  
180tagaattttct ggatcaaaaa caaagcagg cagatcacta agatttggtc agacacaaga  
240aaataatgga tccaagaaag caagtcttct atggttaaga ggttaagtaa caattgtaac  
300aggaagagaa aaagacatgt aatctacaca aggagggtag gggcag

346

<210> 2843<211> 346<212> DNA<213> Homo sapien

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60catatgcact aacacatggt tgagggtacag aattgaagct gattttttctg cttaaagatga  
120atttctatta acaatcccat ttttatattg tattattaaa acaaaaaatac ctctctttgc  
180tagagagtat atgtatgact tatattatta actatggttt gcatttaaca catggccgat  
240tgccctgtaa tctgcttatt ttaacaacat acggtgctgg gcacagtggc tcacgcctgt  
300aatcccagca ctttgagagg ttgcgggtgg atcacttgag gtcatg

346

<210> 2844<211> 373<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggcct gtttaccagc tgggccaaca tggtagatat  
60atgagattca catatggttt cattaaagca cataggaaag tgctcagtca atatttaatt  
120agtttaatta gataagggaa aggagaaatc cttaaattga tggattcttt tatactgtga  
180atatatttcc atcagtgttg gtaagatata aaatgactat cagttgatcc cagtcacag  
240tgacttattt gcatatttaa gccctattca caagagacca taatcatttt aatcttatat  
300tttccctcag gaaatttagg gactctgaag cccctatttt attctcttgg agtaaactgt  
360tgagtgtagt tac

373

<210> 2845<211> 345<212> DNA<213> Homo sapien

tacggctgct agaagacgac agaagggcac acaagggagg tttgttgtaa ttgtctgcta  
60tatgagaagc ttttgtgaat taccttgac tttctgacct gcctgggac cttgccagtg  
120ttaagtcaact gaaagtgtgt actacaaaag acttccatcc actattagct gatatcacag  
180tgtgtatcac cttaaaatgc ttagggaggg cagatagctg tgctctctac ctttatctgg  
240agttattgag tctgatecct tcgggcgagg cctcattccc actttcatgg ctggtttggg  
300tcgacacatc atccaacttt ggacagagga tacaggctgg cttga

345

<210> 2846<211> 374<212> DNA<213> Homo sapien

tacggctgct agaatacgac agaaggggat tgaagataag acgggaattt acatgggata  
60aaagaaaaaa agtaccttaa atgaggacat tcccatgtat gattaaaaaa acattctgga  
120tgtaaacatt aaaaacggat ttctgtgtgt catcctaaag attttgagat tcatgtatta  
180atttgttttc agaaattaaa gggattacaa ttgctagtaa aattgaactt cgtataata

240ttttctctggt tattagattc agaaagccag cgattagaag agatgctaac tgtgttttga  
300ggtagcttct ttatgaatag gtaaaattgt attttcaaaa atttgtatca taaacaatat  
360gtagtttccc tgta

374

&lt;210&gt; 2847&lt;211&gt; 351&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggca ttcgatcttc taggtcacag aagactttgt  
60tagctggtat agcagacagg gaaaagttag cacattccca tctttaagag cactgcttct  
120aaattctgtc actctttttg ataggaaatt accctaacag cctcattttt tccatcttag  
180ccttcacaaac aaataataaa taaagaagga gtgatatagt catactgtat tatacctact  
240tactatactt attcgtagt atactgtatg agagtactgg tcaggggatt gggatttgaa  
300ggttctagt ctggctctga tactacctag tagggcaatt tagtcatgtc n

351

&lt;210&gt; 2848&lt;211&gt; 345&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggtct ccatgggggtg cacagaatgt ctgtgagact  
60gatggagtgg agaacgccat cccccagcct ctccagctac tcgaggcatt ctgtagaaca  
120taagcccata gattgtgtgt gtgtgtgtgt atgcgcgcgc gtgcgcactg  
180gaggaaccta agaaactatg tggcgcaact tctcttattt tagagctccc agagtgtagc  
240tccagaatcg taaagggata tgctcagtct cacagccagc cgtgggatct cagtcccaac  
300actcaccctt gtgctactga gtcagctcta agaaaatctg ccaag

345

&lt;210&gt; 2849&lt;211&gt; 368&lt;212&gt; DNA&lt;213&gt; Homo sapien

aattccgttg ctgtcggcgc cgggggcgca gcttatgagg gcgccggacc tgggaagccg  
60attgcaatca gttgtcagac ccgggaagcc cgacgttccg ctctcccag tccctctgtg  
120gggtgaggaa tgggtcttgt gaaattctga gcaaaaacaa aggcaaactc tatctccgaa  
180agggacgttt gggtcacatt tctctctggt gggcggactc caaagttctc aaaatgagaa  
240ggcagaaatg aaaacacttc aacttttttt tcttttctt cccggggcgg gtgtcttgaa  
300ccctctctct ccccgccct ctggctccgt tctctctccc tctccacc gtctcccgga  
360ctcggggg

368

&lt;210&gt; 2850&lt;211&gt; 347&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggcac tagctgccag ggcagttggc tgggcactga  
60gaggctgttg gaggcttate ttcttactta cttctggcct ttccaatttg ctctatactc  
120ctatccatga aaaccaacca caaatccatc tgtactacct acccgtcatc ttctctaaaa  
180gcaaacaaaa caccacacac acaacactat actgtcttaa aaagtcttg caaatgcata  
240cctctgtgga ttgaaagccc tctcccagtc ttcttatctc aaaggccaaa ctcaaatct  
300acttcagtga gactttctc cattctaaag caagggtctc cccaacc

347

&lt;210&gt; 2851&lt;211&gt; 343&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggggg aagctcaggg ttggactttt gatgcctcgc  
60aaagctgtga tacagatact tacacatcta aaacagaagc tgatgacaag aacgatgaaa  
120aatgcatgaa agttgactta gtatcttttc catcttcacc tattatgggt gataatgata  
180gctctggtac aagtataag gatcatagt aaataactga tgggaattag aacataaaac  
240tgaattcaga ggaagtaaca cagagccaat tagattcctg tacaagtcac gatggtcac  
300aacagctaag tgaagttagt agcacaagag agtgcctgc ttn

343

&lt;210&gt; 2852&lt;211&gt; 374&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggaca acaatatgt gagcacaggt agagcgtgac  
60caggagagagc gcggatgctg gcgcaggaag gctctgagga aggctgcaca cacaggatgg  
120ccctctccag cttcacgtcc tcagggttac agatacagcc ggggctgggt gtcacagcaa  
180gcaccctcca tctctgtc tgctcctaag ggcccttct ggtgtccagc ctggggcctt  
240tgctaggtca gagccaagg gatccgtgg aagcatgtga tggggcaggg cagagggtg  
300gggcgagggt ggagttcagc acaggaggtg tgtcacagtt ggggcgtagt tgtaagtgt  
360ggcctcatgt gtgt

374

&lt;210&gt; 2853&lt;211&gt; 377&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggaa tcaggattca gactccataa aaaagcctga

60agaaatcaaa caatgtaatg atgcacctgt ttctgttctt caggaagata ttgttggaag  
120tctttaaactt acaccagaaa accatcctga gacacctaaa aaaaagtctg atcctgagct  
180ttcaaagagt gaaatgaaac aaagtgaag tagattagca gaatctaaac caaatgaaaa  
240ccgattggtg gagacaaaat caagtgaaga taagttagaa actaaagttg agacccaaac  
300agaagaactt aaacagaatg agagcagaac aactgaatgc aaacaaaacg agagcaccat  
360agttgagcct aaacaaa

377

&lt;210&gt; 2854&lt;211&gt; 371&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg cagaggttgc agtgagccaa tattgcaccc ctgcactcca gcctgggcaa  
60ccaagtgaga ctgcgtcttt taaaaaaaaa aaaaaaaaaa aaaagggggg cggaaatttg  
120gggggggggc cccaaatttt ggatttttaa aaaatttggg gccggggggg ggggcctaac  
180ccctaaaacc ccaccttttt ggaaggcaag ggggggggaa aaactggggg ggggggttca  
240aaaaccaccc gacccaacgg ggaacaaacc cgttttttat aaaaaaaaaa aattaacccg  
300ggattggggg ggtggccctg aatccccact ttcccgggg gtgggggagg gaaaactgtt  
360taacctgggg g

371

&lt;210&gt; 2855&lt;211&gt; 347&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggtg gaaaaggcag agaatgtctg aattcttggg  
60tctcttcta acctgatttt gagagagccg tcatgacccc acccttatcc tagccttatt  
120ttctgcaatc tcaatctgtg tggggtaggc tggatatctg agggccttgg caattccttc  
180ctggaatatg gggaggagag gagagaagag tcanggccca ggcttggtct agcctatggt  
240cttgacaggg ggagagcttt ccacagccag gcctaccatc aggggaacaa ctggagggtc  
300ttaacatgc ccaggactca aatccccgct cttctacttt tgggatg

347

&lt;210&gt; 2856&lt;211&gt; 329&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggact ctggctgccc agacaacatc caggcctttc  
60cccgtaggca gcgctgccag gaggcagcag tgaaggtccc cttggctctc tggccccagc  
120ctccctccct gtccacctt ctgcagttcg aggcactcgc tttggcctca ggacacacct  
180gccttgctcc ctctgcaggc cataacatcc ccttctctg acctcttcta aaatctctc  
240tctcacgtgg ttcttccata ctatggccca ctggactact gagcctaate atccaaaaat  
300tgaaaccctt tttcttcaag ggtgggaag

329

&lt;210&gt; 2857&lt;211&gt; 325&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggaaa ataactcatga aaacgatttg cggaatgaga  
60taaaacttca gaaattagat gaccaaattc tacaacttct aatgaaact tctaattcaa  
120tagataacgt tcttgagaaa gacccagac caaaaagaga cacagatata acttctgaaa  
180gtgactatgg aaacagaaaa gaatgcaata gaaaagttcc tcgaagatca aaaatccctt  
240atgatgcaa aaccattcaa actattaagc accacaataa aaactacaac tcttttgtaa  
300gttgtaatcg taaaatgaaa ccacc

325

&lt;210&gt; 2858&lt;211&gt; 380&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagag agagagacat ctgacttact gtagtgagg nacctcaatg caacgctgta  
60gctagctgtg acaactgatt agtcctctgg gaagacaagc gggttatatc ctacgaacca  
120tgtctgatca attagtagtg gctgcctaga actgcactgg ccaatatgtg aaccattggc  
180cacatgttgc tacttaaagt gagaaattca ttgcttcagt cacactagcc atattacaag  
240tgctctatgc ccggacactg aacatttgca tcatcacaga aatttctatt ggccagcgt  
300gacttagaac gtcattgttg gaagagaagt gaggccgtgt ctaggaagca tgagagatca  
360tcatggtcca ttagcaatgg

380

&lt;210&gt; 2859&lt;211&gt; 463&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gctctcctcg aggtgccccg ctgtgaccag cagacctgca cacagacgca  
60agacaggata aacatctggg aagcacaggt atatgaggca cagaaacaca aggcactgtg  
120gatgctctt ctgtctggac agaaaactgg agtcaggaga cctctctgag tccccagaga  
180cagaatcatc actactgtgt gtccttggaa cttaaagtag taaaaaaaaa aaaaacccgg  
240ccgaaagtgc acagcttgca ccttgaaaaa ggaccctcac aaaaacccaa ccatgctggt  
300acctgatttg ggacttccaa acttccaaaa ctgtgagaaa aaaaatatgg ttgtggttta

360taagccaccc acactatggt attttattat accaccccaa ccaaacgggt agggtaaagg  
420tagggatttt ggccaatttt taccttacc ctcaacatta gaa  
463

<210> 2860<211> 422<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gttagagtta tagagagaga gagagagaga gagagagaga  
60gagagagaga gagagagaga gagagagaga gagagagaga gagagacaga gagagagaga  
120gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagcgccc  
180ctctctctct ttttttcgtg cgctcttgcg atagatatct ttttttctct ctgcgcgctg  
240tttttctcaca cacacacaaa aaagcgctct cccctacac gccccccct ctctgtggag  
300tgtagaatat gtgtgcgcgt gctttctttc tctctctctg tgaggggggt tccccccct  
360tcgtttgtgt gtgggctctt tatgtgtgtt ttctctcgcg cgcccgaca ttttaaaaaa  
420

422

<210> 2861<211> 380<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggtc tgagtatagc aatatctgtc ttcaaaatgc  
60aattttcatc catcagatct ttcatttctt catgattatg aaaatcctaa ataaaaaac  
120agaaagtgtt agctagtact caataaaata acatatcatg attacctctg aagttaaaga  
180ataacctgca catccatgca ctaaaaagggt tactgtaagt ggatatccaa ctggagaaaa  
240agttgaagca aaattttgaa ctttatagag cataaattcc aaaaagttca gaaatttatt  
300taaagtcaat gaatttataa aagtaaacac gcacacacac atgcacacca gagagttttt  
360aagagtttca gaattggaat  
380

<210> 2862<211> 450<212> DNA<213> Homo sapien

tcttcttttt taggatccca tcgactcgaa ttcggcacga gtggtgttcc actagtatgt  
60tgaaaatgtc atatcatgga gaatggagac acctccagg tgtctgttaa acccatcttc  
120tctgtgtact tctggcatct tttttggtag gatcatttgg caggggggag ggggtggaagg  
180cttttggcac cattgaaacc agttctggcc catttgtttg aatagctaac atacacatca  
240gctctatagc ctccatatac cacctgatag aaccctgtaa taatgctctt gaaagtgtaa  
300cactcatgct tccatccaca agcaattaac ataaagctta tacgccagct gtacgacgcc  
360cattgtttac ataactcctc tacttttaat tcaaccatct tttgcacccc tcgattcgat  
420cagctccacc tctagtctct acgtatcgtc  
450

<210> 2863<211> 398<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggaa gagctctagt tctttgacag ttgcagtgtc  
60aatggcttca agttttattga atgtctcaaa attatgtttt gagtaaggcc tttgccttca  
120ctcaaatatt caaattattt tcatcataat ttaaactctcc aaatatatag tgttttattt  
180tcagatatga tatatactgg aaacaggggc aagtattctt tatcaatatg atacttttag  
240aaaataattg ttttcatttt tgtgaaattt atttcagaca gtctcaaccg ccagtgaact  
300acagaaacca atttactgga ttgtagctgg taaagccctt gattatgaac agatgctgct  
360tctcatggct aatgtgaaat gggatgtaga aaaaaata  
398

<210> 2864<211> 408<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga  
60gagagagaga gagagagact ctctctctct tacatagcta gatatacaca tatacacaca  
120cagacagaca cacctgggtt tgctctcccc ccctctctgg tgctcccaga gctacgcttt  
180ttttgtgatg tctctcgcgc tttctctctt tgctgcacac ctctactgcc cccctttctc  
240tttttctctc tcgcccgcct tttttttttt ttctgcacac actgcccggg gtgaaactcg  
300ttcccccccc ccgctctttt ctttttttat gtcacgctcc ccgagggagg cgtggctgag  
360aatggcttcc atggagtctc ccggtgaatg cttttcctcg ccacaccg  
408

<210> 2865<211> 399<212> DNA<213> Homo sapien

gatcaattcg gcacgagagc atgtgaaaaag tccctggggc agaatcaagc ttggcatctt  
60caaggaaatg acagagaggc ccatgttgca tgggtggaga ctggcatgag atgaggctgg  
120agaagggtca ggccacacag ggctggataa agggctctga cttcattctt ggtgtgatgg  
180gaagcccttg gaggatttta agcaaaaatg tgccacgatt catgctgggtg ggtctgtgga  
240agatggattg ggataagggt gggagtaggc tggaagggtg atctacacaaa ctccatcctg  
300ctatgaccgc tgcccttaac tatttaaaagg accctggctc gaaggggtga ggaggacatt

360ttatcggaga cagagccctg agggacctga ccccatggg

399

<210> 2866<211> 388<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggat gaggaagaaa tacgaaagca gtaaaatgaa  
60caatgagaat ctgttaccca aactgatata aactccctca gaaagaaaga tactactccc  
120taatcctgga agtggttaagt ggcaataatg atcaaatgtt gtaaagggga ttgttactac  
180agctaatatg aaatgggagg ctggactaaa tctaaccctt ctacccttga tttcaattct  
240aaaaggacac gtactaccat tgcagaaaga aaagacagtt ccaaagata aatttttagag  
300ttgttttgct aggatgcaag agaaattgga taagtggacc actcatatct tgctggtag  
360atatgaaata gttaggccac tgtggaan

388

<210> 2867<211> 409<212> DNA<213> Homo sapien

ctggagtgcg gtggcaccat cttggctcac tgtaacctct gcctctgggg ttcaagcaat  
60tcttctgcct cagcctcctg agtagctggg attacaggtg acccgccac ctggcctcc  
120cgaagtgcg ggattgcagg tgtgagccac tgcgtccagt ctggcgcca agtttaagaa  
180gagcatattg tcatggcctt acatcagtta tatgtcctg ggtaacaaac taccctaaa  
240tgaagcgact taaaacagta agtccttgtt catcatcatg tgggagtatg gatgtgggca  
300gggctcatct ctgttactg tgctggccac gctagcaagg gcaattaaca gttggcaggt  
360aggctggctt gtgcttccca ttgcccctac ccacatgggc tttcagccc

409

<210> 2868<211> 413<212> DNA<213> Homo sapien

ggcacgagga agtaaccacc attcccact ttcactgcct aggtccaag tctgaatata  
60tttttgaaat aggaactccc ttttgcaaaa aagaaacctg ggtgtcagt aggtgaagt  
120acttgcccta tgagcagaca gcatgccaaag aatggaatta ggctcaggat ccagcctggg  
180ctcaccctgt gtggctcatt cccaccaggg aaactgaaga taaaagattt gggaaaacac  
240accaagaaaa aggggcagtt ttctttgcc aagcatttgg tgctagttag aggtgttca  
300ctctctcctg ctctctctcg gactagaaat aaaggctgtg acacaaggaa gccagtggg  
360tgggaggagg gcaccataat cctccctat aaccacaga agactaacct gat

413

<210> 2869<211> 401<212> DNA<213> Homo sapien

ggcacgaggg aggcattcac ccaccagtg ggaatcgga tcttactg attcagcata  
60tctgcccctg gtgtccctg gtgtggcagt cgggaaggca ggctccggtc gggatggcag  
120ggtcgggtgg cctgaagaag cccccaccc agcagggagg caggtatcca gttagcagga  
180gaaagcaaag tggatgatag atagcgaagg gtgaggggat gtcagggtga gggcacagca  
240agtgcgaagg cctgatatg ggaccaggaa aaggagctgg ggctgggccc aggtggagga  
300agaggcagcc tgcaagagtg ccagatgggc cccagtgggt tgtgtgtgca gaagtgcgct  
360ctggctccca ggtggagtgg ggcttatagg ggtcaggaac a

401

<210> 2870<211> 414<212> DNA<213> Homo sapien

ggcacgaggg ggtgctggcc cgggcacg cggccttgcc cctgagcgg ctgagccggg  
60ggtctggggg cacctctcag ctgcaccatg tggacgtgtg gcccctcaac ctgctgcggc  
120cccgggggtg gcccggtat gtggatgtct gcggcctctt cctgctgcag atggcaacca  
180tcttgggcat ggtgcccgt tggcatagcg cccggctcgg gatcttctg tgctggggc  
240ctcgggaggc gcctggggcg gccgaggggc ggctgcgggc actgctgagc caactgagga  
300tccgggctga ggtgcangag gtggtgtggg gcgagggggc cggggctggg gaacccgagg  
360cggaggagga aggggacttt gtgaacagtg ggcgngaga cgcattaggca gact

414

<210> 2871<211> 398<212> DNA<213> Homo sapien

ggcacgaggg ggaacgcaca aaaaatgttt tctccaaaga agcattcgg tagcacaagt  
60gatagaaacc agggaggag acagtgcatt aagacttcat cactgtttaa aaacaacct  
120gacattccag aactccacag acctgtggt aagcaggtgc aagaaaaagt gtttacttca  
180gctgcttttc atgagctggg cctccacca catttaattt ccacaataaa tacggtctta  
240aaaatgtcta gtatgaccag tgttcagaag caaagtattc ctgtgttgc ggaaggcaga  
300gatgctctcg tgagatccca gacgggctca ggtaaaactc ttgcctattg catccctgtg  
360gtccagtccc ttcaagcaat ggagtcaaaa atacaggt

398

<210> 2872<211> 402<212> DNA<213> Homo sapien  
cacgcgagcc gagccaagat gtccaaccga gcggtttgtc gatatttttag ccacgccggg  
60agctgggtaca cagcctcagg accgcagctg aatgcacatc tagaagggtg gctttcacia  
120ggacaggcta caattagacc tgctagagcc attattgccc cccggagaat tatcatcctt  
180gggccttctc atcatgtgcc cctctctcga tgtgcacttt acagtgtgga tatatatagg  
240acacctctgt atgaccttcg tatcgacctt aagatttacg gagaactgtg gaagacagga  
300atgtttgaac gcatgtctct gccacagat gaagatgaac acagtattga aatgcatttg  
360ccttatacag cttaaagccat ggaaagccat attgatgagt tt  
402

<210> 2873<211> 391<212> DNA<213> Homo sapien  
ggcacgagag gacgtggagc gctgccttcg ggacacgggt gtgcagggcg tcatgagcgc  
60agaggggcaat ctgcacaacc ccgcgctgtt cgagggcccg agccctgccg tgtgggagct  
120ggccgaggag tatctggaca tcgtgcggga gcacccctgc cccctgtcct acgtccgggc  
180ccacctcttc aagctgtggc accacacgct gcaggtgcac caggagctgc gagaggagct  
240ggccaagggt aagaccctgg agggcatcgc tgcgtgtgagc caggagctga agctgcgggtg  
300tcaggaggag atatccaggc aggagggagc gaagcccacc ggcgacttgc cttccactg  
360gatctgccag cctacatcc ggccgggggc c  
391

<210> 2874<211> 382<212> DNA<213> Homo sapien  
ggcacgagcc aagatgtcca accgagtggc ctgccgagaa gccagtcacg ccgggagctg  
60gtacacagcc tcaggaccgc agctgaatgc acagctagaa ggttggtttt cacaagtaca  
120gtctacaaaa agacctgcta gagccattat tgcccccccg agaattttca tccttggggc  
180ttctcatcat gtgcccctct ctgatgtgc actttccagt gtggatatat ataggacacc  
240tctgtatgac cttcgtattg accaaaagat ttacggagaa ctgtggaaga caggaatgtt  
300tgaacgcatg tctctgcaga cagatgaaga tgaacacagt attgaaatgc atttgcctta  
360tacagctaaa gccatggaaa gc  
382

<210> 2875<211> 386<212> DNA<213> Homo sapien  
ggcacgaggg cggctgcgc gccacatcag tgagcgcggc cgggacatcg aggggtgtcat  
60caagcagtac aacaagtttg tcaagccctc cttcgaccag tacatccagc ccaccatgcg  
120cctggcagac atcgtggtcc ccagagggag cggcaacacg gtggccatcg acctgattgt  
180gcagcacgtg cacagccagc tggaggagcg tgaactcagc gtcagggctg cgtggcctc  
240ggcacaccag tgccaccgc tgccccggac gctgagcgtc ctgaagagca cggcgaggt  
300acggggcatg cacaccatca tcagggacaa ggagaccagt cgcgacgagt tcattctcta  
360ctccaagaga ctgatgcggc tgctca  
386

<210> 2876<211> 367<212> DNA<213> Homo sapien  
tacggctgcg agaagacgac agaaggggtt tgctataaac gtgtgtttat ttagtcctaa  
60tgtttgttagg atgatttca cttgttattt aacctcacc tgattttacc acaggcttat  
120attgacataa ttttaactta gtgcttctca agggagattg ggggtggagtc aggatgtttg  
180gaattacctt ttggattgta acagactatt ggccaggcaa gctaaaagt ttgcagtact  
240gatgagctgt agggggaaga attgcttcag ccaaaatgcc actagctccc cttttgaaaa  
300cagtacaagt ttaacttaaa ctaaatctta atgacagtga aagttaattc ccagttatta  
360tctttga  
367

<210> 2877<211> 357<212> DNA<213> Homo sapien  
tacggctgcg agaagacgac agagggggat acaactaaag aaagagatac acgatgacct  
60agatatatga gtgaagaaat tatccagaat gtatcacaga gaaggaaatg ggcaaaaaga  
120aagagggtaa gatatatatt tataaacaca cacatacaca tattacataa aatgagaaag  
180tgacatgtct ttcattagtt ttccaagagc agaagggaaa aataatggga agggaataga  
240caatatttga tgagataata gttgagaatg tttcagagct gataaaaagc accatgacaa  
300atttgagaag ctgagagaac tgcaagcaga ataacgtaaa gaaaatatgc ttctaag  
357

<210> 2878<211> 376<212> DNA<213> Homo sapien  
ggcacgaggg gctaccaatt tgagaccatt ggtctggtag atacactttc attaataatac  
60ttactccatc actctttcta ttttttagaa gttactagta gaaatgtatg caggagtcac

120tgagacctt attaaaatgc agcttctgat tcagtgaagt ggggtggggc ctgagagtct  
180gcatttctcc caggctccct ggtgctgccca gtggtgctgc tctgagtaac aagggggtgg  
240ggaatgatat ggagccgtcc attattatcc catctgacaa atgagtcaca gagcccttag  
300gtaattgagg tgggatacgt ctgattctgt aagctgtgtt ttcagccaca acatttactg  
360caaacttgga gtaggg

376

&lt;210&gt; 2879&lt;211&gt; 367&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggctg gtaaagatta tttaggttcc cctgattttt  
60ctaagcagtt taccaggtgt ttacataagt catggaaaaa tatggatggg acattcttgg  
120aacttcatgt tctgagcagg atagtgaact cctattgtac ttgacaggat gaagtatctg  
180caagatgtgc cttcaggcag ttaaataact tgacctgctg ttagaaatct tttttatttt  
240ttatttttatt ttatttttgg ttatttattt atttttttga gacggagcct cactttgttt  
300cccaggctgg aatgcattgg tacgatctcc gttcacacgc tctgcctcct gggttcacgc  
360cattctc

367

&lt;210&gt; 2880&lt;211&gt; 364&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggagt ggcaaatgtt catgctggct taaatatcgt  
60ttggtactct tactcctctg gtttggattt acaggatcca aaccaaggat ccaagccttt  
120agttggttaa cagtttagttg attagttggc actcattttg tcacatgatt caggatgact  
180gggggaaaaac aggatattgg ggtatatctt taactttttc acttctaaga taatctacag  
240tttccctacc tctcgctcat accttcccta tccaagatca gaacttcaga ccgtcccat  
300gggaatatga gggctgggta gaaggagag gaactagtta caggtatttc tgaatttcag  
360tttg

364

&lt;210&gt; 2881&lt;211&gt; 369&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggtaa ggtgctggga tatggctgag aacaaaacaa  
60agtccccatc cgcacagagc tgacattcta gaacagaaga tagacaataa acaaggatca  
120caggcaaaat acatggatgt tggatgaaga agaatcccat ggagaaaaaa ataaaaacaa  
180gaaggagagt tgctatgaca gtgaggccaa gataattgca ggaaagtagc cctgatacca  
240aggagacaat aaaccactac ttcaggactt ctagtatttt aagacaaata aactggtttt  
300ggttaagtct ctgttaattt gtttttcttt acttacagct gaatgaattc ctgagaccgt  
360gtgtaggaa

369

&lt;210&gt; 2882&lt;211&gt; 334&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggttgcg agaagacgac agaaggggtcc aggtacaac cctgcacata tatcccagaa  
60tctaaaataa aaatggaaat tataaaaaaa aaagaaatta aattgtgaag aagacaaagt  
120atcaaaaagac cttttctgtt agagtctaac aatgttcaaa tttagcttct tggaaataac  
180tttttaaatag ctaagagcgt caacagaaaa ctgtggacta caggaaaaga actgcttcat  
240atttcccga tcttctcaaa cttggtatct gcataatcaat gactttagat tttattttta  
300tgttgctgtt acttttgcta aggaagtatt atgg

334

&lt;210&gt; 2883&lt;211&gt; 341&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggaga cgaaatagta ctcatgagaa aacctacaag  
60gaaatagaca atagaatgag gcagaggttg cagtgaagt agatcacaca ttgcactcca  
120gcctgggttaa gaagatctca aaaaaagaaa gtgtcatcat ctactagatt ggaaatatca  
180gatattcttg agtctttctt ctcctcata tacaggtagt catccagttc ttcaaaatct  
240cggtgaaatg tggcttcccc tccagccagt ctactgccta tcagtactta cctgtctgtg  
300cattagcccc caccgacctc tatccacca gcactgcct g

341

&lt;210&gt; 2884&lt;211&gt; 352&lt;212&gt; DNA&lt;213&gt; Homo sapien

tactactgct gcgcgaagac aacagaaggg acacagaata agttctatag atctaagtga  
60cagcatggag actacagtta ataatactgt attgtatatt taaaatttgc aaagagtaga  
120tcttaagtgc tctcaccacc aaagaaagggt aactgtgaaa agagatgtaa actctatctg  
180gactagagta acctcagttc actaagggtca ttatgaatat gtatatcaga acatcatgct  
240atacacctca gatacacaca atttcaatta aaaaatttta aaaagaagaa atcagtcgtg  
300gtcacattcc agtgatcttt gtttcataca ttgcttttggc tgaaggaagg gg



352

<210> 2885<211> 344<212> DNA<213> Homo sapien  
tctacggctg cgagaagacg acagaagggg ggaggatttt tgatttttct actttttgtt  
60gaaaaaagga atttgtactc tgtgcattgg atggacttgt ttggtacttg ggattttcct  
120ctcttaaccg tcaacatcag tgttggaat ttgctaaact gattcacttt tagcagcaga  
180ctttgaactg cagtcctgcc aacgttggac actgaggacg cccgacagag cttgtgcacc  
240taagctgcag accaagcctt tgcccagaat ttaaggattc caatggacga cctatttgca  
300cagaactgca tgctgattat cactgccttt actccttttt tttt

344

<210> 2886<211> 335<212> DNA<213> Homo sapien  
tacggctgcg agaagacgac agaaggggtt aaaaaagaac catggagacg gatgcattaa  
60ctaagcccag gggtcctttt tcaatcctca tctcacttga cctggttggtt ccatttaacc  
120agatctcttc cttgaaacgt ttttattttt tttttacttt gcttccaggg ttttgttaca  
180tgttttctgtt acatgttaaa cttctttctg ttggagtggc ccatggttca gtccttccac  
240ttctcttttc tgtccacact ctgggtccaa tttcattcag attcattcat gatgtaatat  
300accacctata agctgatttc gacacttaag atcag

335

<210> 2887<211> 334<212> DNA<213> Homo sapien  
tacggctgcg agaagacgac agaaggggtt ccattcctgg cttgatggtg tccttgagac  
60aacagctggc attcacagta caggtattta gtactggagg gagcacagca gaacttatct  
120ttaaataaatt gcattttttt ttttgttttg acctgtatgt tggctcccaa aaggaagggg  
180tcaaggggtt tgcttttatt tctcctaatt caaaacatac cagggttttc aacattctat  
240caaaaacttt taaaggcaaa tgttaaaatc actccatctc actcaaagga tagcatttag  
300gagaaacaat agaccaatca ataagcttgg gagg

334

<210> 2888<211> 338<212> DNA<213> Homo sapien  
tacggctgcg agaagacgac agaaggggaa taaccagaa aatatttctt actgttgata  
60atctgcagtt tgcaagtgcg gcgaatcttg taggtagatt taccttgagt tttttgaaa  
120cggtagaatt aatatattaa aacatatggt ttttagttaa aataggatgt taaaggaata  
180gagcgcacga acaaaaaaac tttccacttg aaccatggt gtttcatctg acagtgggta  
240tggtgtccct ggcaggatag ggcttccacc tctgtgtgtt gccggttagga caggaagag  
300gtggggaaca ctgtgtctcc atctcccaag catcttaa

338

<210> 2889<211> 347<212> DNA<213> Homo sapien  
tacggctgcg agaagacgac agaaggggga aaaccaacgt gttcgggtgac agaccccagc  
60gccgactgag cctctaaagc gacttcagct ctgccccacc aacaccaccg cgcgccggg  
120aacagccgct ccgggaagaa acctgagggg actgcggggg gcacgaggga cagctgaggg  
180aagggaaggag gcgagagaaa cagcgcgagc acgctgaggg ccggggggtg ccaggagagg  
240ggccccgcga cccgcatagc ggaggaaggt ccgggagaaa aggggcggga cggaggagaa  
300tccgggatacg cctggcagaa aaagagaagg gagtttctga atcctgg

347

<210> 2890<211> 378<212> DNA<213> Homo sapien  
ggcagagggt tgcccctgct ggccaccatg ctcttcatca tgggctaagc cgtgggctgg  
60ggtcccatca cctggctgct catgtctgag gtctgccc tgctgccc tggtggtg  
120tcagggtctt gcgtgctggc cagctggctc accgccttcg tcttcaccaa gtccttctg  
180ccagtgggtga gcaccttcgg cctccagggt cttttcttct tcttcgggc catctgcttg  
240gtgagcctgg tgttcacagg ctgctgtgtg cccgagacca agggacggtc cctggagcag  
300atcgagtcct tcttccgcac ggggagaagg tcttcttgc gctaggtcaa ggtccccgc  
360tgaggggggc caaacccc

378

<210> 2891<211> 432<212> DNA<213> Homo sapien  
cggtgctgct ggtctttcag taggagattg gttaataaaa ttatggtaca tttccttcaa  
60tgactgtgca gtcctcagaa gagattaggc tgatctttac caattgacgt gaaaagatga  
120tgatattaag tgaaaaaaaa acagggtgct ggctgggcat ggtggcttat gcctataatc  
180ctaactttt gggaggccaa ggtaggagga tcgcttgagc ctaggagttt gaggctatcc  
240tgggtaacaa agtgagaccc atctctacaa aaaaaatcaa gaaattatct ggatgtggtg

300gcacatgggtc ccagctacac tggaggctga ggcgggagaa tcacttgagc ccaggagggtg  
360gagtcctccag tgattcatgt ttgtgttatt gcactccagc ctgagcaaca cagtggagacc  
420ctgtcttaaa aa

432

&lt;210&gt; 2892&lt;211&gt; 434&lt;212&gt; DNA&lt;213&gt; Homo sapien

annncaattc ggcacgagga gagaactagt ctgagagca gnnnnnttttt tttttttttt  
60tttttttttac aaaatgcccc cttgggcccc aggggcaaaa atttaccttt gcttaggggt  
120tttttttttt taaaaaacca accggtttta ataccctcc tttaccctt ggaaccattg  
180gggggaaaaa aacccttttg gaaaaacca tttttcaaag gaaggtttcc ccgggggggt  
240tttaataaaa atattgttg gaaaaaac aaaaagccct ttgatttaa aaagggataa  
300agggaggggc cctgaaaaac ccccccttt tttatttttt tttggggggg ataaaccta  
360aaaagaaaaa gggtttttcg cccttaaaaa agaaaaattt gcccccaaa aataaccccc  
420cttaaaaaa tttt

434

&lt;210&gt; 2893&lt;211&gt; 425&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga gagaactagt ctgagagca gttttgttca tctctcttt ttgtccttta  
60tctctctgcc actgttctca cctcatccta aaacctgggtc aggagggtt gaaacctatc  
120agaactaaag gttaatatct catctccctc aggtttttt catttaaaaa aaaatgggt  
180atattagtta aattaaaaata cttgttgtaa aattattgtc aaagggaag ggaaatacat  
240ctaggggaaa catcatgtct tttaggccct ttatgtcact gaatgactta aggtctgaca  
300aatgatattc ttggaaagt taatcttgag gttttcaaat ctttttttt aatggctccc  
360atgtttctca ttgtctgatt gattcattag ttgtctttaa gaagatttcg cagttggaaa  
420taatg

425

&lt;210&gt; 2894&lt;211&gt; 403&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagac cattcttgcc tcagcctcaa tccccattct tgcttcagcc ctacatcaa  
60cttcagctcc aacgccagcc ccagcagcct cttccccagc tgccccagtc atcacagcac  
120caactatccc agcctcagcc ccaactgcct cagtcacct tgccccagtc tcagcttcag  
180ccccagcccc agccctacc ccagctctcag ccccaaatcc tgccccacct gccccagccc  
240agactcagcc acagaccac aaaccagtc agaatccact acagactaca tctcagctct  
300caaaacaacc accaccatca attaggtctg cttcagctca aacacctaat ggcacagatt  
360atgtagcctc aggaaaatcc atccagaccc cacagtcaca tgg

403

&lt;210&gt; 2895&lt;211&gt; 387&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagag aggaagcagc ggcaggcgga ggacctggcc catgtccagc acccgacagg  
60cgctgggctt cagccccagg aggaagacag ccaggaggaa gaagaggagg atgaggaggc  
120tgctcaagg tactatgttc ccagctacga ggaagtgatg aacacaaact actcagaagc  
180aaggggagag gagcagaacc cgaggttgag catctctctc ccgtctatg agtcactgac  
240ggggctcgac gagaccaccc ccacatccac cagggtgac gtggaggcca gccctgggaa  
300ccccctgac aggcagaact ctaagttggc caaacgactg aaaccactga aagttcgaag  
360gattaaatct gaaaagcttc acctcan

387

&lt;210&gt; 2896&lt;211&gt; 405&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gctcgtaaatt gtcataaaat tttttaacat tttgcatcag gactcaataa  
60aagcccagca tcataattga ctgaaatgtc tttttaactt cttttcatct ataagttctc  
120cttctatacc ttttattatc attataatta ttattactag gtcattcatc ctgtagattt  
180tccacagtca ggattttcct gattgtatca ccacggttgt aggattctag aggttgaac  
240atattaacat tcaatagttg agggagatgc aaaaccactc tctaggttgt gacgttatc  
300catcaggaag cacataatgt ccaattggct atttagtggg attagcagct acttatacat  
360aatagatcca gtaaatcatg agagactggc tngtattggt agctn

405

&lt;210&gt; 2897&lt;211&gt; 419&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggc aataatcaac agttctaagc ctaataaaga gagctcttaa tcagctcagt  
60gggtggttaaa accagctatc ttttaagaa gagaaaaaac aaaacacagc aatgcctgt  
120ctcttcagaa aattgtttta aaagtttagc caggcatagt tagtggcca cgctgtagt  
180ccgagctgtt tgggaggttg aggtgggaag attgggttgag cccaagattt tgaggctgca

240gtaagccata attgtaccac tgcactccag cctgagcgac agagaacaag accctgtctc  
300ataaataaag tgggggaagg ggtgcaaaat tacactgtga gaagccaaga agtttcaaag  
360ttctatattat ttttctaagt cattcttaat cattatttgg tgtttcagtg tttgaattt  
419

<210> 2898<211> 387<212> DNA<213> Homo sapien

tctacggctg cgagaagacg acagaagggg aaaaatctct ggcatctcc gagaattaac  
60ttgcaactgt tttctatagt gctgtcgtct tgggcaatgg gcaattacat gactttgtgt  
120ttgtcttctt tgcagtcttt tttttttccc cccatttttt cctaatagga aaaaaaaaaa  
180aaaagggccc ccctgggtgg gcctatttct ggtggcgga aactttgaag tcccaaaaat  
240ttggaggggg ggttttttta cccttggggg cggggggggc cggtttctaa tttttaattt  
300tttttaaaaat ccgggctaac ctccggggga aaaaaactgg aaaccgcttt tattaaacct  
360ttctttataa aaaatttttt ttttatg  
387

<210> 2899<211> 411<212> DNA<213> Homo sapien

cgttgctgtc ggccacgaac acagccttgg gcccttgggt atgcgcgcgc ctcttgagtc  
60ggtcagatgc caaacgcaaa aaaaagcctt ctctctaaa gacacggaaa tgcaccgagt  
120ccggctctga ctacccccca aatccttacg gtcccccaac tcggcagcca aaatcgaaaa  
180ctactctcgt ctacgcgcgc ccgctgttga ttacctgcca ttccgcacgg gcgcctgcgc  
240cccggccgggt gtcgcgcgact tcggacggca tcccgagact acccttctca aggcgctatg  
300accagtcga gctgccatga tagactctcc gaagccgggt gtgacctccc ggaccagccc  
360tgcagcaccg acctcctctg gtcgggcccg gagcccggct ccggtctctt n  
411

<210> 2900<211> 407<212> DNA<213> Homo sapien

ggcacgagaa ggccgtgggg ctggagcatg tgggtgcctg ctggggagcc tgggtcaggg  
60acaggggtcat ggagtgtagg ggactggacc acccagggca tgcgagtggc tgagccaggt  
120tgccgggcaga ggggtggccag gggcccatgg gagcatttgc aggtgagctc cctggggagg  
180gttactgtgg gcgtggacga ggctgcctgg gcgtgtggct cagggccggg cctgggtagg  
240tggtctgtgc aggggtggctg atgacagaca ggtcttgggg aggaggacct gggactcggg  
300atgagcctgc gtctggctgg gtgggtgcctg ctcttgttt tgtgggtggga gactgaaggg  
360gagctgaggc tttggcggca acgggccttg tccagtgggg cattttt  
407

<210> 2901<211> 401<212> DNA<213> Homo sapien

ggcacgagca cagtgccctt ggaggtgttc agcttatccc aggtctgtga cctgggtaac  
60aagggcccga agtgggagaa gagccatgcc gaaattgcag aacaggccaa gcatgaggcc  
120gagatcgaga ctcgatttgc tgagctgcgg aaggagggtt tctggtcact gaagaggctg  
180cctaaggtgc cagagccccc tcgccccaaa ggtcactggg actatttgtg cgaagagatg  
240cagtggctct ctgctgactt tgctcaggag cgcggttga aacgggggtg ggcccggaa  
300gtgggtgcga tgggtgatccg gcaccacgag gagcagcggc agaaagagga acgggcccgg  
360agggaggagc aggccaaagt gcgtcgaatt gcttcacca t  
401

<210> 2902<211> 375<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggcaga catacgggca cgcaccacca tgcccagcta  
60attttttaaat ttttagtaga tctgcggctc cactatgttg cccaggctgg tcacaaactc  
120ctggcctcaa gtgattctcc ttccctggcc tcccaaggca ctgggattcc aggcattgagc  
180caccatgcgc agtctcattt ctgttttatc tagaacatgt tttcatcaca ctgacttttt  
240tgagaagtcc aggccaatth taaatttcat tttgtctttt tatcagtgga aaagtagcat  
300atttatgttg caccacaaag atgaatcana taggaagaan atgtaaaaca catttggggc  
360cgggcacagt ggctn  
375

<210> 2903<211> 350<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggat ctgtcttttg aaacacataa acatgtacat  
60acataaacat acaaattgct ttcaacgggt tatggaatat cttatagcaa attaaagatg  
120agtatgtttg tcattcaatt atgaaagatg ttgatataaa taaatttatt catatatttc  
180aaaaagtatg tagggcttcc agtcaaggta aagaaacaga gaccacattt actgtcttcc  
240ctataataga aaaaaccag aaaatttatg aaatgactgt ttttttagac attggacaac  
300aaagaacagt gacctctgag acacaggata caagatgagc cctaaaagtg

350

&lt;210&gt; 2904&lt;211&gt; 369&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggcaga catacgggca cgcaccacca tgcccagcta  
60attttttaaat ttttagtaga tctgcggtct cactatgttg cccaggctgg tcacaaactc  
120ctggcctcaa gtgattctcc ttccttgGCC tccaaggca ctgggattcc aggcattgagc  
180caccatgcgc agtctcattt ctgttttatc tagaacatgt tttcatcaca ctgacttttt  
240tgagaagtcc aggccaattt taaatttcat tttgtctttt tatcagtgga aaagtagcat  
300atttatgttg caccgacaaag atgaatcaaa taggaagaaa atgtaaaaca catttggggc  
360cgggcacag

369

&lt;210&gt; 2905&lt;211&gt; 372&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggtag cacactgaat tatgggggtgt gtgtttgtgt  
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120aaactcttgt gtgatattgt ttttattttg tattttttgc tttatgtaaa acgtcaatgg  
180tttgctgact cttaaatctt acaattattt tacatttgaa ccttgccctc agcccatat  
240atttaagtac tttgaataca catgaataaa tttagttgac cattaacagg agtgggtgcc  
300aacatttctt aacctactgt gttattttta tctattttga gagatgggggt cctgctctgg  
360tgcccacgct gg

372

&lt;210&gt; 2906&lt;211&gt; 363&lt;212&gt; DNA&lt;213&gt; Homo sapien

actacggctg cgagaagacg acagaaggga ttctcaattg caaatgggtg aatatccaac  
60tccagatggc ttccttaagc aacaaaagga gtttcttagt ttgagcagag gttgatccag  
120tgagtcaata atgtcaccaa gaaatgtgtg tgtgtgctg tgtgtgtgtg tgtgtgtgta  
180tgtgtgtttc catgtgtctt ttgtgccatc tatatcagtt tcaccctatt gttggagagt  
240gactcatgct cacatgatgg gtggcaacaa ttacagagnt aatgtttttc tcatatacat  
300ttaaaatttg acaaagagac aaagagatat ctttgtctta tctcagcctt ttaattcgca  
360ccg

363

&lt;210&gt; 2907&lt;211&gt; 375&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gcataaattt ttgttttttt cactgatgga tctcaatgct tagaacagtg  
60tctggtgcat agtagaagct caataaatgt ttgttgaatg aatgaacaaa tgaaagaggt  
120ggctgggggt atgctgtttt atataagggtg gatcaaggaa gggctctctg ataagagaat  
180gtttaagcag agatggaatg aagtgagggc cagaatcttg ctcatatctg gggaaagcat  
240ctctgggcac aggaagagcc agtggttaagg ccctgagcca ggaacatgct tggctcttgg  
300aggaacacca catctgcttg tgactgaagt ccagtgagag taggaaagag gagatgggga  
360gtgaaaacag catag

375

&lt;210&gt; 2908&lt;211&gt; 374&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggcc a cgtggaactg taagtctatt aaacctctct  
60ttattttgta aattgcccag cctgttatgt ctttatcagc agcttaagaa tggattaata  
120caccaccaca agaccaatca gaggcattcat ttctcccaa acttaaagtc ttaactgctt  
180ccccgagttg ctgattatat aattattgaa aaataaaata taaagatgca gcaatacatt  
240tgcaatattt atatttctat tatcataatt cccagagtgg ttttttagac ctatctctaa  
300gtatatatag attcaatacc aattcaatga gttctctaac ccagagatct ttgatttacc  
360ttctatgggt aggc

374

&lt;210&gt; 2909&lt;211&gt; 352&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggtca ctggataaat ttattgaatc tattcagtca  
60attcctgagg ctttaaaagc tgggaagaaa gtgaaactat ctcatgaaga agttatgcag  
120aaaatcggtg aactctttgc tctaaggcac cgtataaact tgagttcaga ctctctgatt  
180actcctgatt tctactggga cagagaaaac ctggaaggac ttacgataa aacgtgtcaa  
240ttccttagca ttggccgaag agttaaggct atgaatgaaa aacttcagca ctgcatggaa  
300ctaacagatc taatgcgga tccactgaat gagaagaggg cactccgctt gg

352

&lt;210&gt; 2910&lt;211&gt; 340&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggat cagcctgggc aacatagtga taccctatct

60cttaaaaaaag aagaagtttt taaatttgaa ataataatag gtactggatt tatgcaaagt  
120tcttttctgc gtcttttgag atgagtatca ggtttttttt ttttcctttt atcatcggag  
180gaggaactta aggttcccat ttgtattaag ggaaaactaa gcccctctgt gatttctgaa  
240ccaagctatt cctaggcctg agttttattt tgttgaccca aaaataaatt aaaaggccaa  
300ccgtgggggc atgtccctgt agccctagtt gctgaggaaa

340

&lt;210&gt; 2911&lt;211&gt; 339&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggta ctttttatat caagtacttt gtatttagtc  
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120gttgattgag tgctctctat gtcctgggcc ctgttctaag aactttgatg catccttatt  
180tagtgcttaa aataaaccta agagggctaa gtactattat gatttccatt ttacacgaaa  
240ggaaactgat ctgccaggtc acatacctag taagggtattg ttctgggctg aagaaaaagg  
300atgcatggag gggagtatct tgcccaaggt cacgttatg

339

&lt;210&gt; 2912&lt;211&gt; 334&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggatg tgacatggac tcatgcaaag agcagaatct  
60tattcaaagt tgagcattcc cgtttatgaa ttttatccag atactctaag ttgtcaatgt  
120gaaccttggt cagtaatctt cagcgaggac agtattattg cttttcatgt aaaacctcaa  
180ttattaatag ttttaaatga caatttttct ttagtatatc taaaaatatt ttgttcaa  
240ataatcaagt ggaaaatatt ggacagaaat gagtcatcca caaaaagtat cattgaaact  
300aggggaatta gagctttgaa tataaacttt ctan

334

&lt;210&gt; 2913&lt;211&gt; 344&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggaaa caacttaaag acgaaataaa gaaaaaagat  
60gaaaagatcc aactattaga acttcagctt gcaactcagc atatctgcca ccaaaaatgt  
120aaagaggaaa aatgcactta tgctgataaa tatacccaa caccctggag acgaattcct  
180ggtgggtatt ctgctccctc cttctctcct tggcagggtc ccttccaggg gatccacgg  
240actgttccac cgcaccgcag acagacctca agtactacag ccttccagca gccttccag  
300accacagat cacaccagg gaaaactaat aaagccacaa cgt.n

344

&lt;210&gt; 2914&lt;211&gt; 337&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggat tctgtaactt ctgcgttttt tcatctgctt  
60gatcaaggca ttttggatgt actgctaagt gaatatggca ctgttttacg gtttatgtgg  
120cttctgttct tgccacagtt gttgcacagt ggtaattgat gttttctctg gtgccacact  
180ttttaataat ctattggaag ctcatccctc ctccccatc ataaccatat tcagcaccca  
240ttttaaatct acttttcttc cttatttgtg ctacagaggt tgatggcgta aattttccta  
300cttgaagaa attactttat cagttaattt cagggtt

337

&lt;210&gt; 2915&lt;211&gt; 342&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggggc tttccgagcc cgcttgacc tcggcgatcc  
60ccgactccct tctttatggc gtcgctcctg tgctgtgggc cgaagctggc cgctgcggc  
120atcgctcctca gcgcctgggg agtgatcatg ttgtaatcca cccaccgcca cttcaagaag  
180aaatgatatg aagaagtgcc ggttctccct cccctcttc gcaactgtccc gtgatgatga  
240cgctccaga gaggacgata atctgggttc ctgggagaga tggcttggtc actattccca  
300cccttgctc gaccacttgt ctcaatgtca ccacctcacg cc

342

&lt;210&gt; 2916&lt;211&gt; 390&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggc aatctgggat ggtgaatttt atgtatccac ttgactgggc caggggctac  
60ccagagattt agtcaaataat gatactggga gtttcagtga gaatgtttct aatgagatt  
120gacattggaa ttggtagact ggggaaagca gatggcctc cctaatatgg ggggtggggg  
180gtgggtggcg cttcatocaa ccaggggaag gcctgaatag aacaaaaagg ctgagtaaga  
240gagagtccct tctgcctgac agcctttgag ctgagacact gctttttggg ctgagctgaa  
300acattggctc cttctgggtt tcagagcctg ccagtcttca gactggagct acaccacagc  
360ctcctgggt ctcaggcttg tagactgcca

390

&lt;210&gt; 2917&lt;211&gt; 367&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggta gtcagaaaag ggtcattgtt tttgcattgt  
60tgtaaattctt tttaatggct cgcttaatag aacatagcta gattctcatt tacttctct  
120ttcagtctgt aaaactatta catgtcatga agcctctaga aaactcagct cagcggggcg  
180cgggtggctca ggcctgtaat cccagcactt tgggaggccg aggcgggttg atcacgaagt  
240caggagatcg agaccatccc agctaacaat ggtgaaacct tgtctctact aaaaatacaa  
300aaaattatcc gggcatgttg gtacacgcct atagtcccag ctgctcggga ggctgaggca  
360gaagaat

367

&lt;210&gt; 2918&lt;211&gt; 412&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggccacgaac acagccttgg gcccaagtgt gatgcgcgcc gctcttgagt  
60ccctcagatg ccaaacgcaa aaaaaagcct tctctctaa agacacggaa atgcaccgag  
120tccggctctg cctcaccccc aaatccttcc ggtcccccaa ctccgcagcc aaaatcgaaa  
180actactctcg tctcagcgcc cccgctgttg attacctgcc attccgcacg ggcgcctgcg  
240ccccggccgc tgtcgcgcac ttcggacggc atcccgagac tacccttctc aaggccgtat  
300gaccagtccg agctgccatg atagactctc cgaagccggt cgtcacctcc cggaccagcc  
360ctgcagcacc gccctctctt ggtcggggccc ggagcccggc tccggtctct tc

412

&lt;210&gt; 2919&lt;211&gt; 394&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt gagacaccgt ctcaaaaatt aacataaaca aaacaggtca aaaatcagtt  
60gcacaagttg tatgaaacca ggtattctgc agctctgtct cttgtttatt aagatatgca  
120cagtttctga atcaacaaat atatctgtga ttcttttata ctactacata aaagaacagg  
180agtaattctt gccttataaa ttaaatgtca aacatttctt atatgtaatc atttgttctt  
240aaaatatgat ttagtcccag catgcttctc cctgttttct ctttttctct ccagctccta  
300tctagttctt caacaaatcc tgtcaactct accttccaaa tgctcttga atccagccat  
360ctcaccacct ccaacactac caccattttt cttg

394

&lt;210&gt; 2920&lt;211&gt; 448&lt;212&gt; DNA&lt;213&gt; Homo sapien

gcaggatccc atcgattcgg gctggtgaga cagatcccc tctaagaaa atgtatgtgc  
60tcagacaggt aaccactgct gctactgttt ttatttggtt gtttgttcaa tttatttaa  
120gatttggttt tgttgtaacta ggattttaaa aaatgtaata tattgcagga tttataacca  
180gggttactga tgccttgctt gctttctttt tttttttttt tttctccaa aaaaaacaa  
240accaagggttt tttttaaaaa acttttagcc ccttttggaac ctggattttg gaaaggttcc  
300aaaaggggac aaaaatctgc tgtggaaatt ttttattttt ccgggttaaa ttgaaaaggt  
360ttttattttt gtttggaatt ttggggggga tttttatttc ttttttccca agccttttt  
420gccatcctgg ttgggggggg gggccaac

448

&lt;210&gt; 2921&lt;211&gt; 347&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgct tgaagacgac agaaggggaa ctacgcatag cggacttttt tgtgcaacta  
60agcattgatg ccttgggagc tctttgagct gtactgacag cattggctgt ccccatctgg  
120ctttttctcat ttcttaagta gttatgtggt ctccaggagg cagncactgc tctgtccgta  
180ttgtcagtat ccttgatggc cctctttatg gtttgacact ggaagacct gcaactgttc  
240acttgggcct ttttgaaatg ctaagaggct tggatacctt ttttagatgt accaggaaaa  
300gaaatagtct atgccttgca gtaaaactctt aattctacca gtggggn

347

&lt;210&gt; 2922&lt;211&gt; 402&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggggggtccc accccgatcc caacgccttg gcctctcctt ctctgtccc  
60caggtgcccc gtgcagggtg cccctggccg gagatgcggt aggaggggag agcgcgagaa  
120gcccttctt cggcgctgcc aaccggccac ccagcccatg gcgaaccccg ggctggggct  
180gcttcttgcc ctgggcctgc cgttcctgct ggcccgctgg ggccgagcct gggggcaaat  
240acagaccact tctgcaaatg agaatagcac tgttttgctt tcatccacca gctccagctc  
300cgatggcaac ctgcgtccag aagccatcac tgctatcatc gtgggcttct cctcttggc  
360tgcttctgct ctggctgtgg ggctggcact gttggtgcgg an

402

&lt;210&gt; 2923&lt;211&gt; 371&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggtga tctactgagg cccctcctc agggagctag  
60atttcctcag ggtgcctgtg gagagatgaa ggcactggct gtggagcctg atgggcctgg

120gttccagtcc tggcctcacc actttgagct gtgtgatctc gggcaacacc ctgaagctct  
180tggatccctt gttctctctg ggcggggaca ttgtctgcct cacagggcaa ttgtgagggg  
240tgaaggagat gttacgggcg gttgtaagca gcgggttaca aagctgctcc tctcccccata  
300caggggggtga gcttcattca ttcattcctc ttatgtcagt ggctccagt gggaccccccc  
360atgccaaggc c

371

&lt;210&gt; 2924&lt;211&gt; 350&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggggc cgctgccttc ctggagcagg acagtcaggg  
60agctcactgc tttctggagg aggaatgtag gtgagaccgg gacaggaagg ggtatgggtg  
120cccacaaccg gctgatgtga aggagtccca cttagggatc caggaacagt gggaaatagca  
180ctgctggggg ccaagagggg cacttgctcc atggggcccaa gcagtctaga caccttgggg  
240gatgagggag cctcccctgg tgtcaggaga gccctggggg ccccccacaca cagtgagggg  
300aggggaaaac ccacagcact tgcctcaagg ctgcaggttt tgaagacctt  
350

&lt;210&gt; 2925&lt;211&gt; 347&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggac ggcgccggag agatggcggg gttggacatc  
60gggcagcact gccagggtgga gcattgccgg cagcgagatt ttcttccatt tgtgtgtgat  
120gattgttcag gaatattttg ccttgaacac agaagcaggg agtctcatgg ttgtcctgag  
180gtgactgtaa tcaatgagag actgaagaca gatcaacata catcttacct atgctctttc  
240aaagactgtg ctgagagaga acttgtggca gttatatgtc cttattgtga gaagaatttt  
300tgcttgagac accgtcatca gtcagatcat gagtgtgaaa aactggg  
347

&lt;210&gt; 2926&lt;211&gt; 345&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggaga caaaatagta ctcatgataa aacctacaag  
60gaaatagaca atagaatgag gcagaggttg cagtgaagct agatcacaca ttgcactcca  
120gcctgggtaa gaagatctca aaaaaagaaa gtgtcatcat ctactagatt ggaaatatca  
180gatattcttg agtctttctt ctccctcata tacagttagt catccagttc ttcaaaatct  
240cgttgaaatg tggcttcccc tccagccagt ctactgcta tcagtactta cctgtctgtg  
300cattagcccc caccgacctc tatcccacca gcattccctt gtggc  
345

&lt;210&gt; 2927&lt;211&gt; 346&lt;212&gt; DNA&lt;213&gt; Homo sapien

tctacggctg cgagaagacg acagaagggg cacaagacgg gatggcaagg gctttcagac  
60gcattttccaa gaggccagca agccaggggg aagatgatcc ctttgccgaa gcgtaccctc  
120tagccaaact ttgggagcgc ttctgtttgc aaagcgttgg ggatgtgcct gtctctgtgt  
180gacccacgaa cgggaaggga gagcactgga gtaatgacac ttctgtgctt gctttgattc  
240tcaaggctga tctttaaaac cctcgcttgg ctgacaagtg ctttaaaggc agtctgcac  
300ttttcttccc ttggtgtggg agaggtaaac actttgattt gctgan  
346

&lt;210&gt; 2928&lt;211&gt; 341&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggct gcctattttt aatattatta aagcctttct  
60ccttcagtag tctattttct tagaataaca actcttttat ctattctgaa ctctattttt  
120tttctttttt aagagacaag gttttgctct gttgccagc ttggactcga actttcctgg  
180gctcaagcga cctcctgcc tcagcccccc aagtagctgg gactaaagtc atgtgccacc  
240acacccagct tactctgaac ttttatgaca gatgattgtt tttgttttt aatgtagaaa  
300tgagacaagg gtacaaattg gaactaaaaa ttgacattgt g  
341

&lt;210&gt; 2929&lt;211&gt; 343&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggca caagacggga tggcaagggc tttcagacgc  
60attttccaaga gaccagcaag ccagggggaa gacgatccct ttgccgaagt gcactctcta  
120gccaaactttt gggagcgctt atgcttgcaa agcgttggg atgagcctag ctctgtgtga  
180cccacgaacg ggaaggcaga gcaactggaga actgacgctt ctgctgctgc tttgattctc  
240aaggctgac tttaaaacc tcgccttgct gacaggtgct gtaaaggcag gctgcatgtt  
300ttcttccctt ggtgtgggag aggtaaacac ttagatctgc tgg  
343

&lt;210&gt; 2930&lt;211&gt; 342&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggca caagacggga tggcaagggc tttcagacgc

60atttccaaga gtccagcaag ccaggggggaa gatgatccct ttgccgaagt gtaccctcta  
120gccaaactttt gggagcgctt ctgtttgcaa agcgctgggg atgtgectgt ctctgtgtga  
180cccacgaacg ggaagggaga gcactggagt aatgacactt ctgctgctgc tttgattctc  
240aaggctgatac tttaaaaccc tcgccttgct gacaggtgct ttaaaggcag tctgcatctt  
300ttcttccctt ggtgtgggag aggtaaacac tttgatttgc tg  
342

<210> 2931<211> 400<212> DNA<213> Homo sapien

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60gggagagaat gcacaaacac tcgaggtggt ttgtatattt gactggtgaa tttcatagtt  
120gtttttctgg ggttacttag aatttgagag tccgcgagaa gcattaagaa gaacattact  
180gataaaaaag gaggggtggg aagcccctac acttctcccc gagggtatcc ccgctgcagg  
240cttctttata tgtttggatt ccccagacct cttgttttga ggcgtgatat aaattcacc  
300tctcatacat ttaaaaatat cggttgaaca cctgctatat tctaggcacc gacgagacag  
360cagtgagcag acgagaatgc ctgctctcct ggagccacaa  
400

<210> 2932<211> 417<212> DNA<213> Homo sapien

ggcacgagag gattcaaagc aggcacagtg gtgtacactt aaagtccag ctactagggg  
60ggctgaggca ggaggattgc ttgagcccag gatttcaagg ccagcctgag caacatagtg  
120agactccatc tctaaaaaaa aataaaata aaaataaata aaaaatacaa ctaatggaaa  
180gggcaagaaa aaaaaaagaa aaaaattaaa agtgattcgg agcagtattc ctgcaaaaag  
240ctcccggcgc atgtatattt acagaaaata tgtacatgca gcaggcccaa aggccaccaa  
300agggcaagg gcttctgtaa cagttcaagc ctctggctga cccagggact ggctgcttca  
360cacttgcccc catggctcca aagggtagg agacagggtc cctcacaccg gaggcaa  
417

<210> 2933<211> 404<212> DNA<213> Homo sapien

cgttgctgtc gattcagtat aggccatgct cctttttatt aagatgcaat tttcagaata  
60ttagactgg cttagatgaa atttgatcaa tttatttagt tgctcttctg cgtttgctaa  
120aagtgcagtg gtgggtggca tcacacagtg gtcggagtca gaactggctt ttgataccag  
180tagttgacct ttgacaagta tttagtcctt ttaattgtag ttacctcact ggaaattaag  
240gagaaaataa caataacctt tttcatagca ttgttgggta gattaaatga aataagtaag  
300atgcctaata tgatacttag cacagagtga acacttggtg aatagttatt gttagctaaa  
360aggcgtagtt tccttgatgc ccaaatggaa gattccattt cagn  
404

<210> 2934<211> 389<212> DNA<213> Homo sapien

cgttgctgtc gttcaaactt tccaacggaa cttgtttgct ctttgatttg gtttaaact  
60gagctggtt tggagcctgg gaaagggtgga agagagagag gtcttgaggg cccaggggt  
120gcgggctggc gaaggaaatg gtcacacccc ccgcccaccc caggcgagga tcttggtgac  
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240gtgcccaca tctctctctc cgggacagtc accgaaaaca caggttccaa agtctacctg  
300gtgcttgaga gccaggggc cttctctcgt ttttaagggg aagcaacatt tggaggggat  
360ggatgggctg gtcagctggg ctcttttc  
389

<210> 2935<211> 399<212> DNA<213> Homo sapien

cgttgctgtc gttccccag gggccctga gttcagtcct gtccgtctcc agcagacgcc  
60ggcttccccg ggggtgggag ctcctctgag ttcagtcctg tctgtctcca gcagacgcc  
120gtccctggg ggcgggagc tccgggctc cccagaggtg tttccattct gctcccatgt  
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240aattactgta gacaaattta aaatacaaaa atgttaaaaa gcagcaagaa caatcttaat  
300ctttttttt ttttgaaacc gccctgctt gcccccccg tggaggcca ggggggcatc  
360cccgtttcat tgaggcctca acctctgggg ttcaagcag  
399

<210> 2936<211> 403<212> DNA<213> Homo sapien

ggcacgagag cgaccggtta tctctttttt ccccttgcc tggctcctgt ggtggcaggc  
60tgggcacgag gaccatgctg ggcggagcc tccgagaagt ttctgctgca ctgaaacaag  
120gccaaattac accaacagag ctctgtcaaa aatgtctctc tcttatcaag aagaccaagt  
180ttctaaatgc ctacattact gtgtcagaag aggtggcctt aaaacaagct gaagaatcag



240aaaagagata taagaatgga cagtcacttg gggatttaga tggaattcct attgcagtaa  
300aagacaattt cagcacttct ggcattgaga caacatgtgc atcaaatatg ctgaaagggt  
360atataccacc ttataatgct acagtagttc agaagttgtt gga

403

<210> 2937<211> 379<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggttg ggaggctgag ggaggagaat cgctcgagcc  
60caggagggtg aggctgcagt gagctgtgat catgctactg cactcccgcg tgagtgcag  
120tgagaccttg tctctaagta aataaatgtt ctgagatttt tttcctatat tccaatggat  
180catcttatgc atccccagag gtgcatacac aactctttc aagaccaatg atctatataa  
240attatacgat ctctttatta ttataagaga aggggtctcac tatgttgtcc aggctggatt  
300caaactccta ggcttaagtg atcctcctgc ctcagcttcc caagtagctg ggactacagg  
360cacacactac cactcccag

379

<210> 2938<211> 388<212> DNA<213> Homo sapien

ggcacgagga aacaaaaaca aattggcctc tgggttgac aaaggtgggg gaggccagag  
60gagctctgca aaagctttga aaactaaatt gatcttagaa ccagagccct gctggccaca  
120gaaagtgcct cctgaatcta aacagggtga gtgcctgcta atacagaata tttaaacagg  
180aactacagtc tcataacata aactcaaaag tgtccaggat aaaattaaaa cttactcctc  
240atactaagaa ccagaaaaat tcgaaccag aaaaattact cctcatacta aaaaccagaa  
300aaaatctgaa tgaggaaaaga caattaacac taagatgaca aaaatgttg aattattgca  
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388

<210> 2939<211> 374<212> DNA<213> Homo sapien

ggcacgagat aacacttgcc acaacttggg aaattccatg ggtctatgcc acattgctcc  
60cagagtaatg aggcaaaata gtgctctgtt atagaattgc ttgtttcaca atacatcatg  
120acagataacc atacaacatg gaatgacaca aacataatat gccacactcc acaatatgta  
180atgctcgtct tccagggggg ttcagtctaa ggtaactctc accaggaaga aaagctagat  
240gaccttagac atgtgcattg gtttgacct tctaattagt tgaatttta cttattttga  
300catgagagat tacatagaat ctctatgttg cccagggttg tctccaaatc tgctcaaaca  
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374

<210> 2940<211> 378<212> DNA<213> Homo sapien

ggcacgagga ccacacaggc cgaatccggg tgcattggtat tggcgggggc cacaagcaac  
60gttatcgaat gattgacttt ctgcgtttcc ggcctgagga gaccaagtca ggacctttg  
120aggagaaggt tatccaagtc cgctatgatc cctgtaggtc agcagacata gctctggtg  
180ctgggggag cgggaaacgc tggatcatcg ccacagaaaa catgcaggct ggagatacaa  
240tcttgaactc taaccacata ggccgaatgg cagtgtgtgc tcgggaaggg gatgcgcac  
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360gtgccaata tatccgag

378

<210> 2941<211> 387<212> DNA<213> Homo sapien

ggcacgaggc atcaactatg gtggacatgt tacagatgac tgggaccggc gcctgctgac  
60cacctacatc aatgattatt tctgtgacca gtctctatca actccttcc accggttgct  
120agcactggag acttatttca tccccaggga tggcagcctc gcttcttaca aggaatacat  
180cagcttattg cctggcatgg acccccctga ggcctttggc cagcaccaca atgctgatgt  
240ggcctctcag atcactgagg cacaaccct ctttgatact ttgctttcct tgcaacctca  
300gattacacc accagggtg gaggccagac ccgggaagag aaggtccttg agttggccgc  
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387

<210> 2942<211> 465<212> DNA<213> Homo sapien

cggttgctgtc gggcatggtg gcagggtgtc gttatcccag ttaggaggct gaggcaagag  
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120gcctggggga caagagttag acttagtctc aaaaaaaaaa aagaaaaaaaaa aattcgggga  
180tttggtcaat atcccatttt tttgttaacc ccaaggccct taaaaataac ccggaactta  
240agggactggg aattttgggt taaaggggct ctccggggaa ggggggggaa cactgacttt  
300ttgaccctct ttgaaaagat aaaaggaccg gggccctggg gggaaaccct tgtgaaaagg

360ctcgggaatt cagaatggcc taaaaaacct cccccacac cggcaaaaaa naaaaaaaaa  
420aaaaaaaaaaaa aaaaaaaaaa annnaaaaaa aagggccgtt gttgc

465

<210> 2943<211> 442<212> DNA<213> Homo sapien

caccggcttg ctgctttggc cgatgcggcc tacgggtgtg agaatacgac agaaggggga  
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120taataagtca aatagagcca tagaagaaat ttaaaagact caaactaatt cctagagatg  
180gaaactacaa tgtctgctgt gaaaaatata ctggatggga ctagtggtag attcgccatg  
240ataggagaag tagattagt aacttcatga cacagcaata aaaacatcat gatggagcag  
300aaaaaaaaatc caaacctttg aaaagagctt cattgagctg tgggacaatg tcaactagca  
360taaaaaaaaaat tttagagaaat aatagctaga aatatctgaa ttgatgaaac tataaaaccg  
420agatcaaagn gtgaaacaag cg

442

<210> 2944<211> 468<212> DNA<213> Homo sapien

ccttaaggcc ctggcccccg ctgcgtccgc atcactctgc atcagcactg cgggccagt  
60gacaccgagt tccaccccat cggcttccat atcttccagg tcccagaggg tgggaaggagc  
120caggacgcac cccactgct gctgcaggag ccgctgctga gctgcgtgcc acatcgctac  
180gcccaggagg tgagccggct ctgcctcctg cctgcaggca cctacaagg tgtgccctcc  
240acctacctgc cggacacaga gggggccttc acagtacca tcgcaaccag gattgacagg  
300ccatccattc acagccagga gatgctgggc cagttcctcc aagaggtctc cgtcatggca  
360gtgatgaaaa cctaacaggg tggcccccctg tgccagctca ngtgactgga gcccgagggc  
420ctgacagggt cccagcagct gggccggcca gccttgcaact gtgggggt

468

<210> 2945<211> 406<212> DNA<213> Homo sapien

ggcacgagaa gttgggggca ggggaggcgg ttcataagg cgggctctac atgacttaac  
60ccttgcttgg catggcctta agccctgttt acaatttgg atcttattgc cacagtgtct  
120gttctgtcca tctcatgac cctattttgt tcatctatgc tcggcagctg cgtctaaacc  
180ataaagggat ggggtataac aagttgcac tgacctcca acccatcac gccaggaatt  
240gttttaagtt tttctgaga ttccctcggc cagcaggtgg catctgctca atcgttgggg  
300ttttatgatt tttagcttac ataactgatt tgataatcca gggcatttgt taccgcgtat  
360ccaggcgaga ttatgactca actatttagc acctccatct caacag

406

<210> 2946<211> 407<212> DNA<213> Homo sapien

tttgccagg gaaaacattc tgcttttagg tagtttcaaa attcagggga gggagcctga  
60aatttttgcc atgattgggt tgtagaaaag agcaggcatc agactacttc tgataaaatt  
120gtttggaagg tcacgacctc gcaaaaactt ttcaagagca acaaggaaga attctgctgt  
180gaagaacaca gtgtacggat cctccgcata ttatctcaac agaggacagt agctcaggag  
240gcagcttcaa acggtgacct gtggcctggg ccactctctc gtcattgtgt tcaattttcc  
300ctgtttccct gtgaactggc ttccatgggt ctgtagggtg gtgaagtcgg gttgtggctg  
360cagcagagca agagatgctt gcccgagtgg gagcaacca ccccgct

407

<210> 2947<211> 380<212> DNA<213> Homo sapien

ggcacgagat aacacttgcc acaacttggg aaattccatg ggtctatgcc acattgctcc  
60cagagtaatg aggcaaaata gtgctctgtt atagaattgc ttgtttcaca atacatcatg  
120acagataacc atacaacatg gaatgacaca aacataatat gccacactcc agaataatgta  
180atgctcgtct tccaaggggg ttcaagtctaa ggtaattctc accaggaaga aatgctagat  
240gacttttagac atgtgcattg gtttggacct tctaattagt tgaattttta cttattttga  
300catgagagat tacatagaat ctctatgttg cccaggttgg tctccaaatc tgctcaaaca  
360atcctcccgc ctcaatttct

380

<210> 2948<211> 374<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggaa cacatttttg atcatgcata ttttgatttt  
60taaatattat tggtagaaa tttgaacaaa gtcacccata cattttctaa cttccagaac  
120tctacttatt atatatcttt tgctttatag cctgaaataa ctctatagcg aagtaattta  
180caagaaatgg tctattatga aaagcaggct ttaaagcata aaaatttttt ttataggaaa  
240tatgcatgat tataaaacaa cctgattttt attttattgt tcataaaaga gactaatatt

300gggtgcatgtg ctgctgtaat ttgttggtga ttatgtgtgt aggaaaactg cccagcttgt  
360agccagcttc ctca

374

<210> 2949<211> 407<212> DNA<213> Homo sapien

ggcacgagaa ttgctgtgcg tggggcacgg acggacagcg aggtatagag agtggagaga  
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120gggactcaga ggtgtcaggc caagcatgca ggcaggcttg tgacaaactc cttggccagg  
180agctctgaga attagcttca cttccctcag aaatgcccc aattccctcct ggaagaggag  
240ctgtgtgaca gctcaggcca gggggtcggg actccccca tctcctccgc acacacatac  
300ccctgcacac ataccagcc acgtacagct ggggtggctgt acgcaagtca tttttctact  
360ctgagcctca ggggtcttct ctgtccacct cccccagga ttactgg

407

<210> 2950<211> 387<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gagagagagt ttgagagtga gagagagaga gagagagaga  
60gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga  
120gtgtgggccc cctctcctct tgtgtgcgct ctccccccc cgctctctca ctcttatgtg  
180ggggggcgcg cgctctctct tttttttgtg ggggtgtgtg gcgctctccc acacggggct  
240ctctctctga gagtgagcgc tctgtgtgtc tgtgtatata ggggggggtg tgtgtctctc  
300tgtgcgcccc ctgtccctag gcagagagag agtctctctg tgtgcgcgcg ctcttttgtg  
360tgtgcatatg tttctctctc ccctctc

387

<210> 2951<211> 400<212> DNA<213> Homo sapien

ggcacgagac actaagatgg ctgccgttgc catgacacc aacctgtgac agacccttca  
60ggaggaggcg gtgtgcgcca tctgcctcga ttacttcacg gaccccggtt ccacgcgctg  
120cgggcacaac ttctgatgca gatttttagct gagggatttg gaagccattt ggggaggcag  
180gctgggccaag agggtagagc tgggtaataa atgtctatc tctggggag gagggattct  
240aaactttctc tccgtcctca atttctacct ccatagacc gccagaattt agcttcaact  
300gagagagacc tgggaatggc gccatgattg aaaccacgca ccattacatc atcattacat  
360taattacatc aacataaatt atttcttccc cttcccttn

400

<210> 2952<211> 395<212> DNA<213> Homo sapien

ctttaagatc atcctgggaa tttccttcac tttttctttt gggagacctc ttattttctgg  
60atcccaggtc ttcacatctc ttggtttact tcttttattg gtggactaca tctccacat  
120gggaggtaaa ttgttgaaac cttgcatgac tgaaaacttt attttaatct caccctcaag  
180ggatgatttg gctaggtatg gaattctagt ttggaaataa ttgtctctca gaatttttaa  
240cacattctcc attgcctcat agttttggcg taaatgttga gaaatacaat gccactttta  
300atttctgatg ctttgcattg gatctatttt tctctcaagt agcttttata atctccttat  
360ccttgatatt ctgaaaattc atgatgctgt gcctg

395

<210> 2953<211> 418<212> DNA<213> Homo sapien

accgatgctg ccggaataga gaaaacatta tctgtatgag ctcttctcga tttacatgta  
60attggcaaaa ttcaaagagc tgattcttca acaataaat tacttaaaaa cggatggaca  
120gggaacctcg taaagccttt atcaactgca atgtatggac ttctatactg aaatgtttac  
180agatgaaatt atatgatgac tgggatttaa aagaaatcct acgatagcca ggtgtgggtg  
240tgcatgccag ctactcaaga cgctgcggca gaattgcttg aacccaagag gtggaggctg  
300cagttagcca agaccacacc actgcactac agcctgggca acgagagact ctgtctcaca  
360aaatataaat gaaaaactaa aagttattct atgagtggcg gaaagaacag attacaca

418

<210> 2954<211> 394<212> DNA<213> Homo sapien

cgttgctgtc gagctcagga ggctgagggt gcagtgacct gtgatcgcac cactgcactc  
60caacctgggt gacagagcca ctgcaaagca ctctgttttag tcatggtttc ttttatgtat  
120tcttttcatgt attgacctta aaaaagaatg tttctgaata tgcctttaat ctgacaaacc  
180accaccttaa tattctttta aaatcagttt gaggctacag ccattgccact gtgaatgtgt  
240ctgatctcat gtgatcatgg aagctaaagt gattttgata tgataaatat atgcaacgta  
300acttttaata taacttttaa aaatatgttt ttaaggccag atatggtggc tcacgcctgt  
360aatcccagca ctttgnagag ccaaggtggg agga

394

<210> 2955<211> 407<212> DNA<213> Homo sapien  
ggcacgagca gctactcggg aggctgagac aagagaatca cttgaaccca gaaggcagag  
60attgcagtga gctgagatca tgccactgca ctccagcctg ggtgacagag tgagactcca  
120tctcaaaaaa ataaaatatt gtggtattgg cacaggagtg gacaactagg tcaatctagg  
180aacagacctt ttggaacttg atatacatga aatgactcaa ccaatcagtg aagacagggg  
240ggatgttcac tgaatattgg agaaaactga actcccccat acaaaagaaa acagatttcc  
300actttacaca cactcaaaat taaatttcag attaaatact aggatatttt taatgattta  
360ttaaatTTTT ttttggtaga gacagggctc caatatgttg ctacgcg  
407

<210> 2956<211> 412<212> DNA<213> Homo sapien  
cgttgctgtc gggcaggccc ctgtaatccc agctaattgg gaggctgaag caggagaatt  
60gctcaaacct gggaggcgaa gattgcagtg agctgaaatc acaccactac actccagcca  
120aagcaacaag agcaaaaact tcgtctcaaa aacaaaacaa aaaaagagta ttcattgtga  
180ggacaaacaa tacaataacg aagagggttg tagtaccttt acttgatca cagatacttt  
240tgtaccatt ttgactaga ggaaaacat gaagcagttg ctcaaagtgt gttcaacacc  
300agaaaattta tattggagaa aagcactgta aatgtaatgc atttgtgaaa acatttttta  
360aaaaactaca gcttagaaaa taccagaggc ctcatactaa aatatatttt gg  
412

<210> 2957<211> 407<212> DNA<213> Homo sapien  
ccgtgacctg cctgggcgcg gggaactgaa agccggaagg ggcaagacgg gttcagttcg  
60tcatggggct gtttggaag acccaggaga agccgcccaa agaactggc aatgagtgg  
120cattgaagat aagaaaggaa atgagagttg ttgacaggca aataagggga tccattggag  
180tctttggctg aatactaagc tgtgcatgct tagagtgaat tttcaagaga ctgggcaaag  
240aacaattact aggaacagaa caactaccag gaagctgtaa gctgaataat tcttagagct  
300aataaaggat tgagaagtgg ttgagctctg atcagacaca gaaaagagac tttgttgaac  
360ctctgggatg ttcaatagag acctcagaag agtcacacct tattaan  
407

<210> 2958<211> 328<212> DNA<213> Homo sapien  
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60ctggaaactg ttgggggttg attagagatt ttaaggatc ttatggcaag ctttggctgg  
120tagagtacaa gaatctagt gtgtctttta ttgggggttt ggggggtgctg ggaactatga  
180cattacaaag agccactaat tgtaactga agaaaaaat actggtcaat gaagggaaac  
240ttaactataa aatcaactta gtagaataa accattaagt ggtactaata tgggcaggca  
300cagtggtcag cagctgtaat tccagcac  
328

<210> 2959<211> 344<212> DNA<213> Homo sapien  
tacggttgcg agaagacgac agaagggtct gtgtggcaca cagagatgag acctactcaa  
60tctgacttag taaaaccatg ctgtagaatt tttgtcttaa aaagaccaca taccagcac  
120ccatgaaata aaagattcat ctgtaattgg gattcaaaat gattaaattc ctttggctcat  
180actcataaat agcactaaag tgttataaca ttttcattta cctattttta gttccttcat  
240tttaacttaa taaaaatctt ggattgatat tctttttttt tttttttttt ttttttggga  
300aaaaaatTTT ttttttcccc ccgggggggg aaagggggtt tttt  
344

<210> 2960<211> 340<212> DNA<213> Homo sapien  
tacggctgcg agaagacgac agaaggggaa cttaacaaca ggactagcag agacttagct  
60gaacagtgtg taaaggtatt agaactgata tgtactcgtg agtcaggagc agtctttgag  
120gctgggtggt tgaattgtgt gcttaccttc attcgtgaca gtggacatct agttcataaa  
180gacaccttgc actctgctat ggctgtggta tcaagactct gtggcaaaat ggagcctcaa  
240gattcttctt tagaaatttg ttagaatct ctgtctagtt tattaaagca tgaagatcat  
300caggtttcag atggagctct gcgatgcttt gcactactgg  
340

<210> 2961<211> 388<212> DNA<213> Homo sapien  
ggcacgaggt ttcaaaactc tgggctcaag cagtccctcct gcctcagcct cccaaattgc  
60tgggggttaca ggcttgagcc actgtaccca gccatcaat aatttttgcc tgaaacaatt  
120tttattgcga tctttgtgtt gagagtctc catggatctg ttgtgtgctt acatgtcttg

180ctgggtgtgc caagaatgca aggcccaaga atgctcttta tttgggcctt ttctcaggg  
240tgtttacaca gctggtaatc ttcagagaca agttaatgtt tcctcttgga caaagagcag  
300gcttgccac tgcttggtat aaaaacaata gatttcagcc gggcgtggtg gctcatgtct  
360ataatcccag cactttgatt tttttttt

388

&lt;210&gt; 2962&lt;211&gt; 403&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagag aggagctcag agaggaacgg agaggcagac agagggaaac aacgcagaaa  
60gaaacagagc caaagccaga gtgtgggggg agccggagga agaaacaaaa acacacacat  
120gtggagtcgg aacgacacag gcagagaggc acagagtcgc agcaatccag acagaaaagag  
180acacgcagaa agaaacagac agtgacagag aagatggtag cctctctgcc ctcccaaac  
240accttgcccc actggtcctg gctggcggca ggggactcac aggccttga cctatgccc  
300gtaggggaag agacaggact tttcctcaga ggccttcaat gagaccccat tcccaaaaag  
360gttgggtctg acacacagca gccatggtgt ccacggcccc cat

403

&lt;210&gt; 2963&lt;211&gt; 393&lt;212&gt; DNA&lt;213&gt; Homo sapien

tccagatgca gctgcagccg cgcaggcagg agccaggagc aagtgggagc cctgcctctt  
60ccaagttagc ggggtgggag ctcccagggtg cagctgtggc tgcccccca ggcacaggac  
120gagggcatct ctgcagcctg caccatcggc catcccagga aggacagccc ccttcaccct  
180ccatccctgc aggttcaggg gtgtctgctt cactgcttg gctctctcc actocagcaa  
240ctgctctgat cttggagggg agtcggagcc aagacctgca gccatgaatg gcagcaggag  
300gaaagggggg gggnnccan naaggccca ccctcangcc agggagggcc tgaattctgg  
360gggctgggct gccagtcct ctgaccagag agg

393

&lt;210&gt; 2964&lt;211&gt; 423&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt tcaaataagg tgtaattgaa aagtgtcct ctcttcagag atgtcaaaaa  
60caaacaaatc caagtctgga tctcgctctt ctcgctcaag atctgcatca agatctcgtt  
120ctcgttcatt ttcgaagtct cggccccgaa gccgatctct ctctcgttca aggaagcgca  
180ggctgagttc taggtctcgt tccagatcat attctccagc tcataacaga gaaagaaacc  
240acccaagagt atatcagaat cgggatttcc gaggtcacia cagaggctat agaaggccct  
300attatttccg tgggcgtaac agaggctttt atccatggg ccaatataac cgaggaggct  
360atggaaacta tcgctcanat tggcagaatt accggcaagc atacagtct ctctgaggcc  
420gtc

423

&lt;210&gt; 2965&lt;211&gt; 385&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggtttattgt aacagtaatt aaatgctgcc ttaattgaag gggtttgggt  
60ggattttttt ttctcaaaat aagctgtagg gactatttta acagcttaaa caggagctct  
120caagatgcac tttcgtattg agaggaatat gggcttgatc ctcttcctat ctaaatgggt  
180gggccatttg attgtagagg gtccaccaca gaattatggg atgccttaag tgctgttact  
240aggttgctca cagcctaacc tggcgtgttg tttagggtg atggagacc atgtgagcct  
300ttgctttcct ctggccccag cccaccctg aacacagctc atacgcagaa tcaggaccag  
360catgtgcaga gctggccacc agcac

385

&lt;210&gt; 2966&lt;211&gt; 376&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gtggggacag atttgtgatg cttgattcac ccttgaagta atgtagacag  
60aagttctcaa atttgcata tacatcaact ggaaccagca gtgaatctta atgttcatt  
120aaatcagaac ttgcataaga aagagaatgg gagtctgggt aaataaagat gactatatca  
180gagacttgaa aaggatcatt ctctgttttc tgatagtgt tatggccatt ttagtgggca  
240cagatcagga tttttacagt ttacttggag tgtccaaaac tccaagcagt agagaaataa  
300gacaagcttt caagaaattg gcattgaagt tacatctga taaaaacccg aataacccaa  
360atgcacatgg cgattg

376

&lt;210&gt; 2967&lt;211&gt; 384&lt;212&gt; DNA&lt;213&gt; Homo sapien

gaaggaatga agattgacct catcgatggc aaaggcagg gtgtgattgc caccaagcag  
60ttctcccggg gtgactttgt ggtggaatac cagggggacc tcacgagat caccgacgc  
120aagaaacggg aggtctctgta cgcacaggac cctccacgg gctgctacat gtactatttt  
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240ctgatcaatc acagcaaattg tgggaactgc caaaccaaac tgcacgacat cgacggcgta  
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360tatggggacc gcagcaaggc ttcc

384

&lt;210&gt; 2968&lt;211&gt; 225&lt;212&gt; DNA&lt;213&gt; Homo sapien

tcacactgcc ttccaccgc tagcgagccc aattgcatgc aatatatgcc tgatgatcca  
60ggggaggaga gagagtgatg cagagctggt gcagaagggc agcgagctgg tggctctgcg  
120gggtggcgctg cgggaggccc gtgctacgct gcgggtcagt gaggggcctg cgcggggtct  
180acaggaggcc gccccgactc gggagctgga gctggaagcc tgttc

225

&lt;210&gt; 2969&lt;211&gt; 413&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggtgctggcg attctgtgtt attaattata ttcatactat tgtgcaacca ccggcaccat  
60ccgtctacag aactcttgat ctcccaaac tgaaattatg tttcattaa acaataacca  
120cccattacct cctctctcct cagcctttgg taaccagcat tcagtctcta tgaattgact  
180actctggata tctaaaagga atcattctta tttcatttac cataaagact tcaaagtcca  
240ttcatgttgg aacatgtatt agaatttctt tactcttaaa ggccagatat gccgtaggat  
300gtaaataccg tagtttgtgt atcaggatcat ccattactgg aactgggtt gcttctgctt  
360tatggctatt gtgaataatg ctctgagaa cgtgggtata cagataactg cat

413

&lt;210&gt; 2970&lt;211&gt; 405&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc ggcttgggag acagagcaag actctgtctc aaaaaaaaaa aaaaaaaggt  
60taaaaattta cccggggggg gggaggggcc cctgtatttc cacttctca ggaggggggg  
120gcagaagaat cttttgacc caaaattcaa aatggcaag gacttataat attgttattg  
180ccctccacct taggcaacaa aggaaaacct tgtttttaa aaaaaaaaaa taagccaggc  
240ttataatagg ttatcccaaa gggagtaagg aggttttata gggccaaacc cttcttataa  
300aaaagaaatt agccaactta tgggtgttta agggtaatag gaaaggctta tatggagaac  
360ctttattctt aaaaaaaagg gaaatttttt ttcggtacct catgt

405

&lt;210&gt; 2971&lt;211&gt; 381&lt;212&gt; DNA&lt;213&gt; Homo sapien

gcctacggct gcgagaagac gacagaaggg ccattccacta atagattggg cagcaaacaa  
60tccaagctgt gagccaaagt cagccacta tgaggccaac tctgtttgca cccattcttt  
120atagcttttg cactacagtg gcaaagttaa gtagttgcaa cagagactgt ataacctgta  
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240tttgaaaatc ttcagggttct ttctgggaag ttttgtaaga ctatctctaa gcagtattag  
300ataattggaa tcttaccatt tagcacactt tcatacaaaa agtgacaggt aatgggtggg  
360atcagaacag aacaacataa n

381

&lt;210&gt; 2972&lt;211&gt; 437&lt;212&gt; DNA&lt;213&gt; Homo sapien

aggatccctc gattcaattc ggcacgagga cagagccgac tccatctttt agaaaaata  
60aaaatattaa gaggttctgc tgccaaatgt gggttctgtg ggtcgggtgt gggttctgtg  
120ggtcgggtgt gggttctgca aaccagggtc ggattctgtg taggttctgc aggccaggg  
180taaagggtca cacctgtaat ccagtagctt tgagacgctg aggggggagg atcacttgag  
240cccaggagtt caaaaaccagc ctgggcaata tagggagacc gtatcactac aaaaaagttt  
300tttttagttca ccgagcatgg gggcacatgc ctgtagtccc acctactcga gaagctgaaa  
360taggggtcacc tgacctggg aggtgaggc tgcagtgagc caaaatcgca ctactgcact  
420ccagcctggg tgacaan

437

&lt;210&gt; 2973&lt;211&gt; 399&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagat tacatttccc agtacttctt gtccctctt cctgctttct cttttttttt  
60tttttttgaa ttaaaaacgg agtttggtt tgcccccggt tggggggcca ggggaaaaat  
120tttgcttaat tgaaccccc cttgggggg ttaaagaatt ttgctgcct aacctccgg  
180agaaatggga ataaaggggc cttgcccccc ccccaacctt tttttggtt ttaagaaaa  
240aaggggggtc aacctgggtg gccgggctgt tccaaacttt tggccctggg gggatcccc  
300cccctgagcc cccaaaaagg tgggaataac gggggggacc aacctgcca aaaattgggt  
360ttaatttttt taaacctttt aaccaacctt accaaaaat

399

<210> 2974<211> 346<212> DNA<213> Homo sapien  
tacggctgcg agaagacgac agaagggggc cttcatgttg gcagttccag aagtgggggt  
60gagggagaga gagaatactt gaggaataa tggctgaaga cttcctaaat ttgatgaaag  
120acctgaatat atgcatccaa gtagctcaac aaattccaag taagatgaac tcaaagagac  
180cacacagata ccaacatttc acaagccaaa gccagagaat ttgaaagca tcaagggaga  
240agcaacttgc tacatacaaa ggatcctcag taacaggtcc ccaagccctg ggccacagac  
300tgtaacagt ctgttatgtt ccagaccaca cagcaagagg tgagtg

346

<210> 2975<211> 341<212> DNA<213> Homo sapien  
tacggctgcg agaagacgac agaaggggca cttatgacaa cattaacaca gaatgccagt  
60tcatacagcag ccgactcacg gagtggtcga aagagcaaaa acaacaacaa gtcttcaagc  
120cagcagtcac catcttcttc ctctcttctt tccttatcat cgtgttcttc atcatcaact  
180gttgtagaag aaatctctca acaacaact gtagtgccag aatctgattc aaatagtcag  
240gttgattgga cttacgatcc aaatgaacct cgatactgca tttgtaatca ggtatcttat  
300ggtgagatgg tgggatgtga taaccaagat tgccctatag a

341

<210> 2976<211> 427<212> DNA<213> Homo sapien  
ggcacgagcc ggccccact gagccactc cggcctctga agccaccgga gcccctacgc  
60ccccaccagc acccccatcg cctctctgcac ctctctctgt ggtccccaag gaggagaagg  
120aggaggagac cgcagcagcg cccccagtgg aggaggggga ggagcacaag cccccgcgg  
180ctgaggagct ggcagtggac acaggggaagg ccgaggagcc cgtcaagagc gagtgcacgg  
240aggaagccga ggaggggccc gccaaaggga aggacgcgta ggccgctgag gccacggccg  
300agggggcgct caaggcagag aaaaaggagg gcgggagcgg cagggccacc actgccaaga  
360gctcggggcg cccccaggac agcgactcca gtgctacctg cagtgcagac gaggtggatg  
420aggccga

427

<210> 2977<211> 427<212> DNA<213> Homo sapien  
ggcacgagga gagagagaga gagagagttt tagtgataga gagagagaga gagagagaga  
60gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga  
120gagagagaga gagagagaga gccccccctc tctctctttt ttttggggcg ctctcttttt  
180tctctctctc tctatatctc tctctcgtct tctctgtgtg tgtggctatg cccccggggg  
240cccccccccc ccacacaag agagtgtctc tctctgtgtg tctccactc tctctctctc  
300tctccccccc cccccctctc tctctttttg ttttgtgaga gtgtgtgtct cctcccaaca  
360ctctttttct gtgtgtgcc acacagaaag ggggggctct ctctctccct tctctcccc  
420acacgct

427

<210> 2978<211> 339<212> DNA<213> Homo sapien  
cggttttttg ttgcgagaag acgacagaag ggtacggctc cataaacacg acagaagggt  
60aataacaagc tgtatatatt tcaaaggttt tttaaacttt ggacactctt tcttttgta  
120accacttaaa ggaataaaa agctggaaaa aaatttgac cttcaactca ggttggtcca  
180tataacaaac gtattctttg ctgttacgta agattttcga ttcacagagt ccatccatgt  
240acatcactta cacttaaat gccaaaataa ttagtctgac catctgactt taaaagactg  
300ttgctacaca tacatcatgt ttaggagaat gtgggatat

339

<210> 2979<211> 394<212> DNA<213> Homo sapien  
cgttgctgtc ggtagcattt gatcagcttt gccacagatg aaaagcagaa ctggacatgg  
60aagagaagtg aagtaaggac aagctggaat ctataggcat ctctgcatct atctttcact  
120gcatctagcc atgacaaact tcatagtata atgactacag ctttatctcc aacttttttt  
180ttttttttaag aagaaacttc ccggacgaga tcccagaggg gtatttttagc atcctagaga  
240cctcctccta gagggtaag gaagatacct gcctcaagtt ctgggagaag aggaataaca  
300gggcatggc cactatacac gggaagtttt tttttttaa aacaaaaaag gctttgacca  
360cttagaaaa gctgagtttc gacacatccg ctcg

394

<210> 2980<211> 399<212> DNA<213> Homo sapien  
ggcacgagca tgttcaggcc ccgaacattt ccggtgctga ctcggcctta aacgtttgtg  
60ccataatgga aaatatctat ctatctgttc tcaaatcctg tttttctcat agtgtaaact

120cacatttgat gtgtttttat gaaggaaagt aaccaagaaa cctctaggaa ttagtgaaaa  
 180aagaactttt ttgaggtgtg ttactatact gctgtaagtt atttattata taaagtattg  
 240taaataagaat agtgttgaag atatgaaata tggctatttt taatggtgac aattatgact  
 300tttagtcact attaaattgg ggttacctat atcagtacaa tttgtagttg tttccagggt  
 360tggctaataa tcattcctta acctagaatt cagatgatg  
 399

<210> 2981<211> 399<212> DNA<213> Homo sapien

tatagtggaa acagtatttc tagatgttag atttagcaga caaagacttc aaagcagcta  
 60ttgtaaatca gtttaaagca gcaaagtaag ctaagaatga aaataaagtg tgacaaatag  
 120agatgttcaa aaaggagata gaaatgattt taaaaataac aaaatgaaaa ttctgagatt  
 180gaagaatata gtaactgatg tgaaaaattt actagaggggt cttaccagag gtttgacatg  
 240acagaagaaa gaagcagtga atttcaaagg tagatgatct aatctgaaga tcagagagga  
 300aagattaaag agaaatcagt agagccacag agatctgtgg gtcagcatca agtttaccta  
 360tgtatgtgtg atgggaatct cagaatgaat agagaaagc  
 399

<210> 2982<211> 397<212> DNA<213> Homo sapien

ggcacgaggt tttgcttcag ctagaatata caatgcagat gtcattaaaa gacttacttt  
 60aaaatgttaa aaaaaaaaaa aaaaaaaaaa aaccctcgcc ccttaaaaaat .tttggggggg  
 120gggtttaccgg aaacccaaac ttgaaaaaaa ccttggtggg gtgggaacaa ccccaataa  
 180aagggcgagg aaaaaagggt ttttttgaa aaattgggaa ggctttggtt ttttgaaac  
 240ccttttatagg cggaaaaaaa aaggtaaaca ccacaagggg cttttttttt ttttcaggg  
 300tttaggggggg gggggggggg gttttccna acaccaatat acaggggata cctctaacta  
 360cagcttgcat aatggcttaa aattgccatg gggaaag  
 397

<210> 2983<211> 372<212> DNA<213> Homo sapien

tactgttggt agaagacgac agaaggggtct acaagcacat gctgcctgag ggcttgaga  
 60ctggcctggt catccattg cagcaaccca atatgaaagc aaactgctca ggaaccagag  
 120ggttgtcccg ccattgtcac tgctattgcc catgccacac tagctgcca gaggcctaag  
 180aacctgcca cttgctggaa ccaaggcttc aacacctggg taagtcacct ggaggccaa  
 240gtattggccc acctagacgt gccaacatca gtggtaggtt tgggtgtgct gttoctggg  
 300cccaataact gaactatttg gtatccaaat ccccataaaa actccagcac aacctccact  
 360aataactaca cc  
 372

<210> 2984<211> 410<212> DNA<213> Homo sapien

cctagtttta tttctttgta gtgaaagaag attgccacgg agacagacag cagcatggc  
 60agtgtggtag gagccggcca tcagcgagag ctgctccatg cctggctgct gggagctaga  
 120gcctgcggcc cactggcttg cctcactgta gttggtggtg gcagtgcag agactgcagc  
 180atgaccagag tggtaggaca ggggctatcc agggctgcac ctttcgcagt gtggggtggg  
 240ttgggggcac tatccagggt gtcattgcct gcattagggg tactggttgg tagcactgca  
 300cagggctgca ctgccacag cagggagggt ggggttatggg tgctttctgg ggctgcaatg  
 360cccatggagg aggacaggtt agggcatatc ggggtatatgc tactggcgga  
 410

<210> 2985<211> 407<212> DNA<213> Homo sapien

ggcacgaggc ctggcccagt tactcagttt tgaatctgag gccgtgacat cactcatggt  
 60ctgcagtcag tgctctgccc ctgagctgta cctctccta tgataatcac tcttaagaag  
 120ggcaaccctt ggtgttttcc ccttaaggct acccaggctg gaatgcagt gtgtggctcat  
 180ggctccctgt accctggaac tcaggcttgg gtgatcctct ctcccttgcc tccgaagtag  
 240ccaggactac aggtgtgcac ccaccaccac actcagataa ttgctttggt gtttttaag  
 300cttgtaatga tcagtaggct gaggtgggca aatcataagg tcaagagttt ttagatggg  
 360gtgagcacag accaattcct gttttattta ctgatttaaa attttga  
 407

<210> 2986<211> 453<212> DNA<213> Homo sapien

ttgttcttta ctagttttga aaaaagtaga acaaaataac caaagtgact tttgtacttt  
 60tctattgggt tgtgtttgtt ttttagaga tgggtgtcact ctgcgttgcc cagtctggcc  
 120ttgaactcct ggagtatcct tttgctcag cctcccgagt agctgggact gcagggtgat  
 180accacctccc caacttggtt ttactagtag tagcaagtg agacaagagt ctccattttg



240gaatgtaa at tgttggttg aatgtacgtt ggcacaactt ggggaaagtt tggcaatgta  
300tatcaaaagc attaaaattg tgtatatctt gtggcctggc aatactcctt ttatgaattt  
360attataaaaa aaagtacatt tatttaaaaa cttagctggc tgggtgtggt ggctcattcc  
420tgaatccca gcacttttggg aggctgaggt ggg

453

&lt;210&gt; 2987&lt;211&gt; 407&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggatggatt tggaagctgg aattcctctt aacaaccaag gggtttattt tcaaagcaat  
60attggggaat tgatttcaca gttcgttacc ttagtaggga acggtaaggt tattcttttt  
120tttttttttt ttgggattaa aaacctgggg gcctaaattt aacaaaaaag gggccaaaag  
180gtggaatgaa actaactttt gggcaaaatt aaaccatccc cccaaagggc gaaaaaatc  
240caccgcccc cccggttttt tgggtgggta aatttggttt agattaaaaa caggctttttg  
300ccccccagcc gggagggcag ggggtaatt agaactttt cccccggga tgaaagcaat  
360atcctgcctt cccccccca gaaatctaaa ataacgggccc cccccct

407

&lt;210&gt; 2988&lt;211&gt; 339&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggta agctattaag tgcattgttt cctcaggccc  
60tctggtccat tctggacaaa tgttgaaaga tgggttgat tggcacggaa cgctgtgcc  
120aaagcaccct cttttttttt tttttttttt ttttaaaaag ggaattttgt ttttgtgcc  
180caaatggggg ggcaggggga aaatttaatt taaccaaac ctctctctcc ggggtaaaag  
240aatttttccg gccttgcccc ccaagggggg gggaataaag gggccttgcc cctcccccg  
300ggaatttttt ttttttttta aaaaaaggg ggtcccccc

339

&lt;210&gt; 2989&lt;211&gt; 399&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg aagatgagct cgccaagaag cgggcggcct tcctcctgaa gcagcagcgc  
60aaggccgagg agggccgcgt ggcgaagcag cagctggaag cggagggtga gctcaagcgt  
120gacgaagccc ggcgcaaagc tgaggaagac cgggtgcgga aggaggagga gaaggcgcg  
180cgcgagctca tcaagcagga gtacctgcg aggaagcagc agcagatcct agaggagcag  
240gggctcggca agcccaagtc aaagccgaag aagccgcggc cgaagtcggt gcaccgggaa  
300gagtcgtgca gcgactccg caccaagtgc tcctccacc ctgataactt gagccggact  
360cagtcaggct ccagcctgtc cttggcctct gcggcgaca

399

&lt;210&gt; 2990&lt;211&gt; 326&lt;212&gt; DNA&lt;213&gt; Homo sapien

tctacggctg cgagaagacg acagaaggga tggtaaaatg ataataacg aatactataa  
60tcaaccctat gtccacaatt tgataactgc aatgaaccaa tcctttgaaa gacacaattt  
120gtcaaaactc acataagaaa tagaccatct gagggggcct aaacctttta agaattgaa  
180ttaataatgt taaccttcca aaacagaaag cagggaacca gatgggttca ctagtgaatt  
240ctactaaaca tttaaaggaa aaactaataa atgagatatt ccatgtttat ggatcagaag  
300acaatattgt caaggtgaca gttctt

326

&lt;210&gt; 2991&lt;211&gt; 380&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggcgc ggcctcagcc tcagtgggc cgatctcagc  
60tcaactgcaag ctctgcctcc cagttcacgc cattctctg cctcagcctc ccgaggagct  
120gggactatag gcgcccgcga tcacacctgg cttttttttt ttttttttg ggaaaaaacg  
180gggttcccc atgtaacca ggagggcta aatctccgga cctaaggacc cccccctg  
240ggcctttaaa agggctagaa taacgggggg gacccccgc ccagggcctg ggaagcacac  
300agttttaccc ttgttacct ccttgggga aaagggtttc ggcacggggg ttcttttaaa  
360ggagggaacca gccctcattg

380

&lt;210&gt; 2992&lt;211&gt; 378&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggc ggaatggcagg tgatgagact cagccaactc ggtttgctt tgtggaattt  
60gcagacaaaa attctgtacc aagggccctt gcttttaatg gagttatgtt tggagacagg  
120ccactgaaaa taaatcactc caacaatgca atagtaaac cccctgagat gacacctcag  
180gctgcagcta aggagttaga agaagtaatg aagcgagtac gagaagctca gtcatttatc  
240tcagcagcta ttgaaccaga gtctggaaag agcaatgaaa gaaaaggcgg ncatctcgt  
300tcccatactc gctcaaaatc caggctctagc tcaaaatccc attctagaag gaaaagatca  
360caatcaaac acaggagn

378

&lt;210&gt; 2993&lt;211&gt; 450&lt;212&gt; DNA&lt;213&gt; Homo sapien

accctacgaa caagctactn ggnnttttng cagganccca tnaattcgaa ttcggcacga  
60gggtcaagtct tccgccaccc ccgataaagc ataacatgga tattggaact tgggataaca  
120aggggtcccgt tgcaaaagcc cctcacagg ctttggttca gaatataggt cagccaaccc  
180aggggtctcc tcagcctgta ggtcagcagg ctaacaatag cccaccagt gctcaggcat  
240cagtagggca acagacacag ccattgcctt caccttcacc acagcctgcc cagctttcag  
300tccagcaaca ggcagctcag ccaaccgcgt gggtagcacc tcggaaccgt ggcagtgggt  
360tcggtcataa tgggggtggat ggtaatggag taggacagtc tcaggctggg tctggatcta  
420ctccttcaga accccaccca gtgttggaga

450

&lt;210&gt; 2994&lt;211&gt; 405&lt;212&gt; DNA&lt;213&gt; Homo sapien

nncaccanna aacttcagcc aaccgggtca ttgtggacac cattgttatg gccaatctgg  
60gctactttca gctgaaagcc aaccaggag cttggatcct cagacttagg aaggagcgt  
120ctgaagatat ttatagaatt tacagccacg atggcaccga ttctccccct gatgctgatg  
180aggtggttat cgtcctcaac aacttcaaaa gcaaaattat taaagtgaag gttcagaaga  
240aggcagatat ggtgaacgaa gacttgctga gtgatggaac gagtgagaat gaatctggat  
300tttgggattc cttcaaattg ggctttacag gacagaacac tgaggaagtg aagcaagata  
360aagatgacat aattaatatt ttctccgttg catctgggtca tctct

405

&lt;210&gt; 2995&lt;211&gt; 400&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg gggacgcgt caatgctctt tatgtatccc ttagnggggt tccgatttaa  
60gcgactgccc acgagaccca aaaaagggtg tccggaaatc tcaccgtgag gcgcgggtca  
120tcagactgaa acttgctcac agacttccag ttatttatTTT ggggtctgaa ggatatcaac  
180agctcatctg tgaccaacag ggcaactgga acctacacaa accaattgct tgctgcaagc  
240agagttttat atatttatag tcacagacgg cagaggaaga ggctctcagt cccacctgt  
300acaacaacgg aaagggtgtgt ggccacacta agaatccaaa cgccgtggcc tctgcagag  
360ctgnnggcttt tgtggagaat acttccgggt attacatgcg

400

&lt;210&gt; 2996&lt;211&gt; 336&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacgggtgtt agaagacgac aaaaagggtac ggggtgcgaca agactacaga aggggttctt  
60ttattaggaa atgcatgtat acggaaaaag aagaaggaat ctttaccat ggactacagg  
120aagtgaagc aaaacgtttc cctacctgaa agtttccttg tgtgagactg gaatatatag  
180ttttacctct gtacaccatt ttgtctctag cctatatgga ctacctacac tcataatgag  
240aataatgac aaatgaagga gttcggtttt gttttgttct tttctttctt ttttttttc  
300tggagacaat ctactccgt caccagggt ggggtg

336

&lt;210&gt; 2997&lt;211&gt; 375&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggcttca gattacgaca gaaggagttt gtatcctagg agcaataggc tataccatat  
60agcctagggtg tgtagtaggc tgtaccatct aggtttgtgt taaattcact ctttgatgtt  
120tgctcaggga cgaaattgcc taaaaactca tttcttagaa tgtatccctg tcgttaaggg  
180actcgtgacc gtattactat cttacagatg aagaaagtga agttctgaaa ggtaagtgt  
240cttggccaaa gacacacagc cagtataatg ggagcaaac acaactgcct gaagaaaaac  
300tttggttgat taaagtaaag taaaaacaga tctgaaaaga tctaccaatt caaatccttc  
360agtaaaattc tgggt

375

&lt;210&gt; 2998&lt;211&gt; 373&lt;212&gt; DNA&lt;213&gt; Homo sapien

catgcgacgc catggaacat taagaggaaa aggttttgaa aaaattaaag ccatttacia  
60cctgggtttc aacgctagcc ctttctggat tgccatacgc cctgccaaga tactgcaggc  
120ccattcaggc ctgtgctatc tgcacagcc gagggctttc caggaaactg actgtctttc  
180attcgaactt ttttttgtt gatttaatat tttaaacttt attttaaaaa tatttcaaac  
240ataagggcgg ggtgtgggtg ctcagcctg gaatcccagc actttgggag gccgaggcgg  
300gcggatcacc tgaggccagg agttggagac cagccaggcc accatgggga aaccctgtct  
360ctacaaaaaa tag

373

&lt;210&gt; 2999&lt;211&gt; 399&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggaagaaga aggaggagt gtaaaggctc caccaaccca accagttctg cctcctcaaa  
60ctataatcca gcagcctcag ccattaatcc aaccaccacc attggtgcaa agccaactgc  
120ctcaacagca gcctcaacca ccacaaccac agcagcaaca aggacctcag ccacaggccc  
180agcctcacca agtgcagcct caacagcagc agctgcagaa tcgctgggta gctcctcgta  
240acaggggagc aggttcaac cagaacaatg gagcgggcag tgaaaacttt ggtttaggtg  
300ttgtacctgt cagtgttca ctttctagt tagaagtga tcccggtgctg gaaaagctaa  
360aggccataaa caactataat cccaaagact ttgattgga

399

&lt;210&gt; 3000&lt;211&gt; 428&lt;212&gt; DNA&lt;213&gt; Homo sapien

ctttactagt ttgaaaaaa gtagaacaaa ataaccaaag tgacttttgt acttttttat  
60tggtgtgtgt ttgtttatct agagatggtg tcaactctgcg ttgcccagtc tggccttgaa  
120ctcctggagt atccttttgc ctcagcctcc cgagtagctg ggactgcagg tgtataccac  
180ctccccaact tggatttact agtagtagca agttagaca agagtctcct atttggatg  
240taaattgttg gttggaatgt acgttggcac aacttgggga aagtttggca atgtatatca  
300aaagcattaa aattgtgtat atcttgtggc ctggcaatac tccttttatg aatttattat  
360aaaaaaaaagt acatttattt aaaaacttag ctggctgggt gtggtggctc attcctgtaa  
420ccccagcn

428

&lt;210&gt; 3001&lt;211&gt; 390&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagaggc tactcttacg cactcacgtt cattaactgc gttctgatgg cagaaggtag  
60acagcaactg gacaaagggtg aatttacgga gaagtacgtg gtcccgcaga caaggctggc  
120attcaagttc atcacactct accgggcgat acgggagcat ggcttctacg tcaactgactg  
180tccccagcag caggcacaaac cccctgaggg cggcggtttg tgctgagagc tatgtaagcg  
240cagcctgtac gctggagggt agggaggatg ctaccttaa tcaactactat ggatctctaa  
300atgcatttaa ctgcggataa taaaaacgtg tatgggccgg gcattggtggc tcacacctgt  
360gataccacca ctgtgggaag ctattacagg

390

&lt;210&gt; 3002&lt;211&gt; 405&lt;212&gt; DNA&lt;213&gt; Homo sapien

gtccgttgct gtgggaagt ccttacctct gtaggatatc cctcaatgaa tactgtgtgt  
60aaggctgaaa tagttcatta tgtaataac cttctttatg ttctcagga aatgcttagg  
120tggtgtcaca aaatgtgctt tttcttttct tttctttttt ttttttggg gcaaagctctc  
180cttttttttcc ccagggttgaa ggccaggggg ccaacttggg ttaattgaag cctcccttc  
240cgggggttaac ccttttttct ggcttagacc ttcaaggaat tgggaattaa agcttcccc  
300cccccccccg ggatattttt ttggattttt aataaaacac gggttcattt ttgttatcca  
360gggggggttca tatctccggc cccaataatc cccccgttt tgcct

405

&lt;210&gt; 3003&lt;211&gt; 433&lt;212&gt; DNA&lt;213&gt; Homo sapien

nnccggcacg agagttggac cagaactccc tcttgacac atcccaattc aagtgatccg  
60caaagagggtg gattctaaac ctgtttccca gaagcccca cctccctctg agaaggtaga  
120ggtgaaagtt cccctgctc cagttccttg tctcctccc agccctggcc cttctgctgt  
180ccctctcttc cccaagagtg tggctacaga agagagggca gccccagca ctgcccctgc  
240agaagctaca cctccaaaac caggagaagc caaggctccc caaaacatc caggagtgt  
300gaaagtggaa gccatcctgg agaaggtgca ggggctggag caggctgtag acaactttga  
360aggcaagaag actgacaaaa agtacctgat gatcgaagag tatttgacca aagagctgt  
420ggcctggat tcn

433

&lt;210&gt; 3004&lt;211&gt; 335&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggtac agacagagag tgagttggg tttagaagag  
60gctggtaagg tgggtcaac caaaaaaggc ccagtggacc ctacactatg gaatgaattg  
120gtcccccca aattcgtatg ttgaaccctt aactctcaat gcgactatat ttggagatag  
180ggttttttagg tgattcaggt taaatgaggt cctaagggtg aggcctaat ctgatgggac  
240tggtgttctt ataatggaa caggatgcac aagagagctc tctctccca catgcacgaa  
300gaggccatgt gagtacagag caaatggcg gccac

335

&lt;210&gt; 3005&lt;211&gt; 350&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac acaagggaat gaagagtcct ttttggttcc aagccaatcc

60tggctgggtg ctttgcctcc cttgctatgc tgccaccctg agtttctgca cttcagaggg  
120tttccatcac ttccttgcta aatttcagtg ctgtacctta catattctac cttaaagctta  
180gttttatagt tgagttgatt tttctttgtg gaagagatag gcgtcgagca ctttcagtta  
240gccatttaac gcgtttttta tgttttaatg ctgaatagag ttccattgta tctactactt  
300cttttttttt tggccattga cctaattgagg ggtatttga ccatttttat  
350

<210> 3006<211> 405<212> DNA<213> Homo sapien

ggcacgagag gctatggcat ctaggtttgt gtattttacac tgtgatgttt gaacagcgaa  
60tgaaattgct taacaatgca tttctcggaa catatccatg ttgttaaagtg tcccatggct  
120gtattgatgt tgatcttaaa catagacatg atagaatgac tcagaattta atactctttg  
180tgatttcaaa agtagatttt agcaaaatgc tttagtgaag acctgtgtat aattttttaa  
240aaaacattta acattttaat cataaatgct aacagatcct tctgtcttat ttccagtctt  
300tttaagggttg tgaatttctg gaacttaacc catttatgca ggagattaaa attttttgtg  
360tgtgaaaaat cagaccttgt cagtgcacct gaacagtta catat  
405

<210> 3007<211> 408<212> DNA<213> Homo sapien

ggcacgagac ttgggaggct gaggcaggca aattgcttga acccgaggag tggagggtgc  
60agtgaagcca gatcgtagca ctgcactcta gcctgggcaa cagagcaaga ctctgtctca  
120aaaaaaaaaa aaaaaggggt ggaaaagggg aaacggctgg gggggggggg tacaccctgt  
180gaacccaacc tttggggggg cggggggggg gggactccct gggggaaggg attggaaacc  
240caccggggccc accgggaaaa acccgtttt ttttaaaaa acaaaatttt accccggccg  
300ggggggggggg ccctgaaacc ccggtttttt gggagggtgg ggggagaaaa ttggttaaac  
360ctggggggggg ggggggtgga gggcctaaaa accccccccg ggcttttc  
408

<210> 3008<211> 422<212> DNA<213> Homo sapien

ttattgcatg agaccagcta gcttgttgtt tgggccgaag cggcctacgg ctgccagatg  
60acgacagacg ggtacggctc cgagaagacg accgaagggg ttgatataac tgtgtgggtg  
120agtctgatta tactcataat aatatatttg tatctgcagt gcctagaaca aaacctgcca  
180tatggcaaat agtcaatatt tgttgaagaa atagattaat tgacattaaa agggagaata  
240tttaattccct gctgaggact aataaaatca tttttattat tgtcaacttg ctttaacaac  
300catctcacaa ataaaatgaa ggctactata ttgttttgca gttctgaatc taactttaca  
360aaaatattga agagcatgct aagaaaagat catatatctg gcacattaaa aggcgtttag  
420ag  
422

<210> 3009<211> 407<212> DNA<213> Homo sapien

ggcacgagga gagtcccacg aactggctgg gtatacagaa atgtccagag gccggagagc  
60gtttcagatc acatgtaccg gatggcagtt atggctatgg tgatcaaaga tgaccgtctt  
120aacaagacc gatgtgtacg cctagccctg gttcatgata tggcagaatg catcgttggg  
180gacatagcac cagcagataa catcccaaaa gaagaaaaac ataggcgaga agaggaagct  
240atgaagcaga taaccagct cctaccagag gacctcagaa aggagctcta tgaactttgg  
300gaagagtacg agacccaatc tagtgcagaa gccaaatttg tgaagcagct agaccaatgt  
360gaaatgattc ttcaagcatc tgaatatgaa gacctgaac acaaacn  
407

<210> 3010<211> 403<212> DNA<213> Homo sapien

cgttgctgtc ggaagtgcc aactcccgcc aggagaaac tgaagctgaa gtgaaaaaga  
60agaagaacaa gaagaagaac aaaaagggtga atggctctgcc tcctgaaata gctgctgttc  
120ctgagctggc aaaatactgg gccagagggt acaggctctt ctcccgtttt gatgatggga  
180ttaagtggga cagagagggc tgggttttcag ttacaccgga gaagattgct gaacacattg  
240ctggccgtgt tagtcagtc ttcaagtgtg acgtttagt agacgcattc tgtggagttg  
300gaggaaatc cattcagttt gccttaacag gaatgagagt gattgccatt gatatcgatc  
360ctgttaagat tgcccttgct cgcaataatg cagaagtta tgn  
403

<210> 3011<211> 387<212> DNA<213> Homo sapien

cctgcacggg ctgttgatgc ctgccacct tcacgtgagg tgtgacttac tctccttgc  
60cttgaccac gatggtgagg cctccccagc catgtggaac tgggagtgca gataaagctc  
120tatctttgat agatgggccc ctcttacgta tgttggtatc atcagagggg gcaactgacta

180acatggcgctc tccgagggta tggactacat gtctgaagat cttgggtgagg tgagggaggg  
240tgcctacatg taaaaaagct gttttaaaat taaatatgac ttttaattta aaaattaaac  
300atttttgcat tatcaaagtt aaatatcac catggaaatt tgaataacta gaagaagggg  
360gaaaacacct tttctaactg ttatcat

387

&lt;210&gt; 3012&lt;211&gt; 380&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agatatacga cagaagggta cggctgcgag aagacgacag aagggatgtg  
60ggattccctg aaccaactgg taatgacta ccagcatata aggtgtcctc attaaagcag  
120ttgggtgattg gtacatggga cctcactcat gtatgtttgc atctacttgt gagtcaaaaa  
180gtttttcttaa agtatagggtg ggatcatgaa agacatacaa ttcactggag aaattgtgaa  
240aaagtaaaag attatgaatt taggctcaaa gccaatctcc ctctcattta attctacatg  
300agcaagtcaa ggagtttggg agagctttat gaaatctcta aagattgaag gaaaacaatc  
360actataatcg atttgataag

380

&lt;210&gt; 3013&lt;211&gt; 391&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagcaggg tgtgaccaca cttcttcttg aagggcagcc tctgcccag gccccgtggc  
60cctggagcct caataaagtg tccctttcat tgactggaaa aaaaaaaaaa aaaaaaagg  
120cccccaaaaa aaaaaggggg gccttatacc taaaacccaa acggaaaaaa aaccttgga  
180agttgggaaa aaccccaacc aaaaaggcgg gaaaaaaagg cttaaattgg aaaaatgggg  
240gagccatttg ttaatttga accaaaaaaa cccggaaaaa aaaaggtaaa aaaaacaatt  
300ggcttttttt tatttttcaa ggtccggggg agggggggga agttttttnn ncatngcang  
360actttctaca angacacca aactccttaa g

391

&lt;210&gt; 3014&lt;211&gt; 385&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagcagggc tgtggtatcc catgagttgt ttctgtgcac tggtectatg tgccgctatg  
60ctgaagacct ggcccccatg ttgaagggtca tggcaagacc tgggatcaaa aggtcaaaac  
120tagacacaaa ggtacattta aaagacttaa aattttactg gatggaacat gatggaggct  
180cattttttaat gtccaaagtg gaccaagatc tcattatgac tcagaaaaag gttgtggctc  
240accttgaaac tattctaaga gcctcagttc aacatgttaa actgaacaaa atgaagcact  
300ctttttcacct gtggatcgca atgatgtcag caaagggaca tgatgggaag gaacctgtga  
360aatttgtaga tttgcttggc gaccn

385

&lt;210&gt; 3015&lt;211&gt; 372&lt;212&gt; DNA&lt;213&gt; Homo sapien

gttgctgtcg gtgagcgctg ctgagcggga ggtgggcagc gcgggggcat cgcagatgcc  
60agccgcggga ctgagcttc cccctcccc ggtgactca gatgaacgac ccgagccagc  
120ccaacgagga gggcatcact gccttgaca acgccatctg cggcgccaac tactctatcg  
180tggttttct catcacgcg ggtgccaatg tcaactcccc cgacagccac ggctgggtgag  
240ccccgaccg cgcgggtggc tgggtcccc gtgggcggac gcgcagcctc tcacgcacg  
300ttccccgcaa ccccccccc ccacgcctag gacaccctg cactgcgcgg cgtcgtgcaa  
360cgacacagtc at

372

&lt;210&gt; 3016&lt;211&gt; 381&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggca cttatgacaa cattaacaca gaatgccagt  
60tcacagcag cgcactcac gagtggtcga aagagcaaaa acaacaacaa gtcttcaagc  
120cagcagacat catcttctc ctctcttct tccttatcat cgcgttcttc atcatcaact  
180gttggtacaag aaatctctca acaacaact gtagtccag aatctgattc aaatagtcag  
240gttgatttga cttacgatcc atatgaacct cgatactgca tttgtaatca ggtatcttat  
300gggtgagatgg tgggatgtga taaccaagat tgcctatag aatggttcca ttatggctgc  
360gttggttga cagaggcacc a

381

&lt;210&gt; 3017&lt;211&gt; 442&lt;212&gt; DNA&lt;213&gt; Homo sapien

tcttttttga ttatcccatc gattcgctca ggctgatctc aaactcctgg cctgaagcaa  
60ttttctgtt tcatcttccc aaagagttgg gaataggagt gggagccact gtgctagcct  
120atgctttact tattccaaaa aaataacaag aatggaaaga ggaaaaataa acctgaaagc  
180gagttgagat acattaatcc agctgtatct taaatgagaa acataaccac accgacgggg  
240attgggtgaag ggaagatgga aaatctaact caagtgattt atcgacacat caaatgtgtt

300tgactgtata ctggcagttg tggtggggga tgggactgca agaaaaatct tgaggccagg  
360cgctggtggc tcatgcctgt aatcttaaca ctttgagagg ccgaggcaag atcacctgag  
420gtcaggagtt cgagaccagc ct

442

&lt;210&gt; 3018&lt;211&gt; 427&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga gagagagaga gagaactatt ctcgagagca gttttttttt tttttttttt  
60ttaaaaaagg gggacccctt gggttcccca ggcgggaggg cagggctgaa atttggtta  
120atggcaccct ctttttctaa ggttaaggga atctccttcc cccccccccc taaaaagcgg  
180gaaaaaaggg cacttcccc cttcccagtt taatttttgt tttttaaaaa aaaagggggg  
240ttcccaaggg ggccaagagc agcccctgtt cgtgcacaaa ggcaccaaca tggagaccgt  
300ccaaaactgt cgcatttagg ggactgacc caccgtccaa gcgatattgg gttttaaant  
360ggagggttat tatctcttgc gggacatcgg gtgagttgac ccatacccg agcctgccaa  
420aaataag

427

&lt;210&gt; 3019&lt;211&gt; 418&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagaa gaccttggat caaaaggaag cttctatacc tctttcttct tcgcttcctc  
60ctctcccaag caatggaaac ttttaccat gtaattctag ctgaactcag gaaaaagaag  
120ggggaaagga ctctgtcccc ttggggctca tcacccttcc acatcctcct cctcgttgcc  
180ccctggctcag gcagcttctt tttttttttt ttaaaaagga agcttggtt tgcccccg  
240cctgaaaggc aggggccccaa tctcggttaa ttgaaaactt ggcctcggga ataaaggcaa  
300ttttccggcc taacccttta aggaactggg aataacgggc ccccgcccc ccccccgggt  
360taattttgga ttttaaggga aaagggggtt taacattgct gcccaaatgg ttttaaat

418

&lt;210&gt; 3020&lt;211&gt; 375&lt;212&gt; DNA&lt;213&gt; Homo sapien

tactgttggt agaagacgac agaaggggta cacatgcaca cagctacagg agcgtgcaca  
60caaacacacg tgcacgcaca cagcatgca cacacgcaca catgtgtgca cacatgcaca  
120catgcgcgca cacatgcaca ggagcctcca aacacacgtg catgcacaca catgcacaca  
180ctcacacgca tgcacacacg cacacaagca aacacatgga cacacacaaa cgcgcacatg  
240tacaggagcc tgcacacaaa cacacgtgca tgcatacaca cgtacacaaa catgcacaca  
300cacatgggcc aggcgtggtg gctcacgcct gtaatccag cactttggga ggccaaggag  
360ggtggatcac gaggc

375

&lt;210&gt; 3021&lt;211&gt; 384&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagac ctagaaagag agtgcaatga agaactttgc aattatgagg aagccagaga  
60gattttttgtg gatgaagata aaacgattgc attttggcag gaatattcag ctaaaggacc  
120aaccacaaaa tcagatggca acagagagaa aatagatgtt atgggccttc tgactggatt  
180aattgctgct ggagtatttt tggttatttt tggattactt ggctactatc tttgtatcac  
240taagtgtaat aggtacaac atccatgctc ttcagccgtc tatgaaaggg ggaggcacac  
300tccctccatc attttcagaa gacctgagga ggctgccttg tctccattgc cgccttctgt  
360ggaggatgca ggattacctt ctta

384

&lt;210&gt; 3022&lt;211&gt; 401&lt;212&gt; DNA&lt;213&gt; Homo sapien

nnnnacgaga gaaaggatag gaaggaagca tgagagagaa tagggagaag tgaacagggg  
60tgcagagcga atgccagttt cagccaactc caaggacagc cctggagctg gaatggcctt  
120tacagctgcc ccatggcgac agaggcggcc aggttctat acccctacgt ggatcactca  
180ctgtgcttgg gcaccttggg aaagggcatg gctttgagca aaaggctctc tgcagctgag  
240gcaaccctta ccagggtga cggctgaagt ctgtctgctg accactgtcc cagcagctgg  
300ggcttggttag tccttcctca aagggggatc cagatggcat gtcacagtgt ctacctgaaa  
360tgctcactga atccagctgc aatgcaagaa gactccctga t

401

&lt;210&gt; 3023&lt;211&gt; 406&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt ctctgcaaaa gacccctccg acccgagtgt tcgtggaact gggtccctgg  
60gctgaccgga gccgggagaa caacctggcc tcaggagag agacgctacc gggcttacgc  
120cacccccctct cctcaacaca agcccaact gctaccgcg aggtgcaagt aagcggcacc  
180tcaaaagtgt ctgcgggccc tgaccggtcg caggtggcgg tgcagtgag cagcaccaag  
240gaggcggcag ccgaggccaa aaagagcgtt tgcgccggc tagattacat aacgcatagc

300ctccagcagc agggcgtgca ggcagaaaat ataactgtga caaaggactt taggagagtg  
360gaaaatgctt atcacatgga agcagaggtc tgcattacat ttactg

406

&lt;210&gt; 3024&lt;211&gt; 399&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt ctctgcaaaa gaccctccg acccgagtgt tctgtggaact ggttccttgg  
60gctgaccgga gccgggagaa caacctggcc tcaggagag agacgctacc gggcttacgc  
120caccctctct cctcaacaca agcccaaaact gctaccgcg aggtgcaagt aagcggcacc  
180tcaaaagtgt ctgcggggcc tgaccgggag caggtggtgg tgcgagtga cagcaccaag  
240gaggcggcag ccgaggccaa aaagagcgtt tgcgcgcgtc tagattacat cagcagagc  
300ctccagcagc agggcgtgca ggcagaaaat ataactgtga caaaggattt taggagagtg  
360gaaaatgctt atcacatgga agcagaggtc tgcattact

399

&lt;210&gt; 3025&lt;211&gt; 399&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg ggggtgtggc cgagctgtac tgcccctgga cactgctgag aacttggaca  
60tggcctcgca cacatggctg gcactggcac cctgcccac tgcccgggct ggtgcagctg  
120cggtagttct gggcaagcag gtgctagtgg tgggtggtgt ggatgaggtc cagagcccgg  
180tagctgctgt agaggccttc ctgatggatg agggccgctg ggagcgtcgg gccaccctcc  
240ctcaagcagc catgggggtt gcaactgtgg agagagatgg tatgggtgat gctctggggg  
300gaatggggcc tgacacggcc cccagggccc aggtacgtgt gtatgagccc cgtcgggact  
360gctgggtttc gctaccctcc atgccacac cctgctatg

399

&lt;210&gt; 3026&lt;211&gt; 407&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggggccagcc cagccctttg agatgtcgag gttggcataa cacaagcca aaagagaaag  
60aacatcctgg ccaactgga caaacccag ctaaaacgca aatgtaactg ggggtggagg  
120tgcaagcctg gaaacccaat tgcttgatag cctgccgcta gagactcact tcaaccagg  
180aggagcagga tgcgcagagc ttatatggtc ccactgcact ccaactgag ccaagataa  
240aacctcatct cctaaaaaat aataataata ttctagcatg tttatatgaa aataattgtg  
300ctttccaaaa cagaaataaa aatagtga aatgtgtcat tgttttacat ctctatatca  
360aatgtataga ctacaggtag atttcttat ctgcttctgc agtcatt

407

&lt;210&gt; 3027&lt;211&gt; 353&lt;212&gt; DNA&lt;213&gt; Homo sapien

tatcggctgc gagaagacga cagaagggtta cggctccgag aacacgacag aagggttaata  
60tcaagctgta tatttttcaa aggtttttta aactttggag actctttctt ttgttaagca  
120gttaaaggaa taaaagagct ggaaaaaaaa ttgtaccttc aactcaggtt gttccatata  
180acatacgtat tctctgctgt tacgtaagtt ttccgattca cagagtcctat tcatgtacat  
240cacttacact taaattgtaa aaataattag tctgaccatc tgactttaaa agactgtttg  
300tacacgtaca tcatgttttag gagaatgtgg gatatggnga aggggagaag aag

353

&lt;210&gt; 3028&lt;211&gt; 340&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggtac ggctccgaaa agacgacaga agggcattgg  
60taaaatagac aaaatggcta ctcttaatct accatttctca ctgggttggt gtgaggacac  
120agataattaa gaaaaacata ataaatatcc aaattagaaa atggaaaagg ggccgtaacc  
180ctactcctaa cctggtcatt ttaacctcct gtgccctcag tttcttcac tgtataatgg  
240acataggcct ggtgtggttg caagaagcag ctaaaaatca ggaaaaagaa catcatgtat  
300tcagctatgc acacttccaa cgttgctctt tactgaggcn

340

&lt;210&gt; 3029&lt;211&gt; 417&lt;212&gt; DNA&lt;213&gt; Homo sapien

ctgtgttgag gctaattggc gtgcccacgg aactggatgg agggagtgtt aaggagaccg  
60cagcggaga ggaatcgca gttctggcac ctggcgccgc cccgttcgga aattttctc  
120attattctcg ctccaccct ccggagcaac ggctccgcct cctgcccccg gagctgcttc  
180gacagctctt tctgagagt cccgagaacg ggccgattct ggggctcgac gtggggtgta  
240actccgggga tctgagtgtg gctctatata aacacttctt ctccctacct gacggggaaa  
300cctgctcaga tgctcaaga gaattccgtc tctctgctg cgacatagat ccagtcctgg  
360tgaagcagc cgaaaaagaa tgcctttttc ctgatgcctt gacttttacc accctgg

417

&lt;210&gt; 3030&lt;211&gt; 407&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgctc gaaagactca gcccaagtat aggatgccct ttttcccttt gttttttttt  
60ttttgaaaag ggagtttggg ttgccccca aaggtggaaa ggcagggcca gaatttgggt  
120taactgaaat accccctccc ttgattaagg aaattttctt gcttaaccct cccgggaagt  
180gggaatggaa ggccccccc cccaccocgg gtaaattttg gatttttaag aaaaaacggg  
240ttttaacaat ttggcgaggg gtggttttaa acnatnaacc taagggaatt accttccttg  
300gccctccaaa aggccgtgaa taaagggcgt aatgcccggc cccaaacaaa aaaggggggt  
360tttctaaata ccgggggggt ggggtttaaa acaatacttt gacaaaa

407

&lt;210&gt; 3031&lt;211&gt; 423&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggaaatttgg gaagaatcca agaagtatag gccaatgaaa acaagttatt aatacaata  
60gtactgtata tgagagtaca cattacgaat gctgtgcttt aatgcataaa catgtttaca  
120gtggtccaca tgtgccagga gatgtgggaa tggctacccc tgaagtcata tggagaaatg  
180gggtcctcat cgcacacat acacaaacat catctcaca atggattaaa gacacttaag  
240acctgaaacc aaaaaaactc ctaggagaaa acacagggga aagctccatg acatcagttt  
300cggcgatgat ttttttttgg acatgacact aaaagaacaa gcaacaaac taaaagtaaa  
360caggtgggat tacattgaag taaaaagttt ctgcacaaca aaggaaacaa ccaacaaat  
420gag

423

&lt;210&gt; 3032&lt;211&gt; 410&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagag cgcacttccc tccggagacg ttagaaagtg cattttggcg tcaacttaagg  
60gacggtgtag tgagttccgg ctctactggg tccaattctg tccattgtt cgttgcatgt  
120gaacttttct ggatttcagt tctttcatcc ggggcctgcc ggtgccgtaa acggccattc  
180aaagggaata acgaacacgc acaccaaacg gctagcttgc gttcctgcgc atgcgcagtg  
240acccgagcgg agaggccgag gcgtagccta agcgtgggat tccgcgcgtg cgctcggctc  
300cgccctgggtg ggcccgcgcc gggagggact ggattatgtc ggccccgtt gaagagcgga  
360gtgggggtgg accgtgcggg acccgtggg gccagtggac cagaccttgg  
410

410

&lt;210&gt; 3033&lt;211&gt; 416&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga aacgtttgtt gttttgggtc tcacaataaa ccttgggtacc gccaaactctt  
60tgggtccgtgc catctaaaag cgctgtgaca ctaccgcga aggtcccgcc tttattcctg  
120agaccacgaa cccaccggca ggaaccaact ccagactact atgtgctaca gagaacttct  
180tcaggcccttg aaaatagaac atagtaaaaa gcggttctt tgtccatgga tcagcagtc  
240ctatttccca gtcgcctcc aagagctaac taaagtgcag cataaactgc atgcagcatt  
300gttttcacca cagcaaacc ttcgggggtgc ctctagcgg cggatggaga actagcattg  
360cgcgagagca ggaatgggac acttgtgtgt aacaaaagat ggactgcgct tggaag  
416

416

&lt;210&gt; 3034&lt;211&gt; 431&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgctc gaagactgag gtcgttgatt ctgatggatc agtgaaagac aaaatcacag  
60cattcatagt agaaagagac ttggtggag tctaataagg gaaacccgaa gataaattag  
120gcattcgggg ctccaacact tgtgaagtcc attttgaaa caccaagata cctgtggaaa  
180acatccttgg agaggtcgga gatgagttta aggtggccat gaacatcctc aacagcggcc  
240aggttcagcat gggcagcgtc gtggctgggc tgctcaagag attgattgaa atgactgctg  
300agtacgctg cacaaggaaa cagtttaaca agaggctcag tgaatttga ttgattcagg  
360agaaatttgc actgatggct cagaaagctt acgtcatgga gagtatgacc tacctcacag  
420cagggatgct g

431

&lt;210&gt; 3035&lt;211&gt; 335&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggag gagacacaga acatggcggt agggatggca  
60gtctaccctg tggcaacgcg gaagtcacgc tgccgcaagg ggcgcattgg ggcccatag  
120accccgagaa gcaaatgata ggtaggcgga cctttccgc ttgcgcgcat actcagctac  
180gtaagactcc ttccttcacc tttcctttct ttgccttcc tttccctgac gctggaggaa  
240gaagggcagg ggttctgtgc catangcggc ctttctggtg cagaggacct tccccatcct  
300ccatcatgtg agcagccaga gccgggcgct cgaan

335

&lt;210&gt; 3036&lt;211&gt; 408&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggc aactgcact ccagtccagt caggggtcc tgggccctga gcggctacag



60caggcactga gccaggaaca catcatcggt gcccaggaac agacagtgaac caatcaggag  
120gaagccgcct acatccaaga gatcaccacg gcagatggcc agaccgtaca gcacctggtg  
180acctccgaca accaggtgag ctactagcta ctgttaatcc cctcagctgt gacctcctac  
240cctcccaaaag acctaccttg gggaggaatg atactttcca aaccacccct cctgggggtcc  
300atgcttgcca acaactgcat tgttgctggt ggctgttcct agtcttccac tctgccttct  
360tagctaagct cctggcgagt ggggcctcag cacctgcctc gccatgcn  
408

<210> 3037<211> 353<212> DNA<213> Homo sapien

tctactgctg cgagaagacg acagaagggg ctaacatttg ctccatcaag cagataggta  
60acagagtcta ggactggcca tatagttaaa gaacctaccg tcaagcagga gtagtggttag  
120aaattgcttg atggttgat tagcctgatt tcatgctgtg atacagacac accccagact  
180ggggagttta tagagaaaaa gaggtttgat tgactcacag ttccacatgg ctggggaggc  
240ctcaaaatca tgggtggaagg ctaaaggata tcttacctgg tagcagacaa gagagaatca  
300ggaccaagca aaaagagttt ccccttgtaa agctatcaga tcttgtaga ctt  
353

<210> 3038<211> 352<212> DNA<213> Homo sapien

tactgctgag agaagacgac agaagggtag ggctgagaga agacgacaga aggggtgtaga  
60taacagaagg cactaaatca ttgaagattt gaccttgct catagacttc tctttacttg  
120gaataacact tcgacctgcc tacaatctt caacagttta tttcagctat tacctccttt  
180ataagatctt tcttagtctt cctagatcct cttagttcta cctacaaata ctttatttaa  
240ctttcaatat tatctgtgca cctctggctc tagccactac caatttaaaa gctttttgta  
300tggttatctat ttctcagtct gcttaaaaca aagaatacat aaatgaacgg cg  
352

<210> 3039<211> 346<212> DNA<213> Homo sapien

tacggctgag agaagacgac agaagggtag ggctgagaga agacgaccga agggacatgt  
60aaacaataat ttggtgtagg gaaggtaggc gtcagccaag caaagcagga aggaaacgga  
120ggagaggggtg ccttgcttga atgggggac cgcaggggtt ttcctgccct gtgcttcac  
180tgtgctatgc tctaccttc ctcagtcag tcataaaatc cctgtttgc tgccccggc  
240tttgcttccc cacactgact atattagagt cctcatttgc agagcagcac tgcaagctaa  
300gtattttag cacagattaa agagactgag gagggctctg gggagg  
346

<210> 3040<211> 335<212> DNA<213> Homo sapien

tacggctgag agaagacgac agaagggggc ggccaccata atgatactat atgtgtccaa  
60gctaaacaaa atcattcact tccctgattt tgataagaaa attcctgtaa aggtaagtaa  
120tgaaaagtat gtatgactgt gatagaagat tgaaaatac acattgattt tagagtacag  
180gtcaatttct atacacactg tacttctgc ctgactgga tagaaacttc ttttttgg  
240tgagatggac tgctgctctg tcgcccaggc tggagtgcaa tgggtgtgatc ttggctcact  
300gcaatctccg cctcctgggt tcaagagatt ctgc  
335

<210> 3041<211> 375<212> DNA<213> Homo sapien

cgttgctgtc gctatggcat ctgcatgtgg cggaagtta gcattaatgg attcaggggt  
60tccaatttca tctgctgttg caggcgtagc aataggattg gtcacaaaaa ccgactccta  
120gaaggggtgaa atagaagatt atcgtttgct gacagatatt ttgggaattg aagattacaa  
180tggtgacatg gacttcaaaa tagctggcac taataaagga ataactgcat tacagggtga  
240tattaaatta cctggaatac caataaaaat tgtgatggag gctattcaac aagcttcagt  
300ggcaaaaaag gagatattac agatcatgaa caaaactatt tcaaaacctc gagcatctag  
360aaaagaaaat ggacg  
375

<210> 3042<211> 389<212> DNA<213> Homo sapien

ctgcctcag cgtttctggt tcaatagggt ttgggggaga ccaagaacgt taacatttct  
60agcaagtttc cagggtgatgc tgtgttgct ggtctagaga ctattttgag aacctgtc  
120caggagcgtg gttttctgat tgtgatctga ggtctgccc caactgcaca gcagttggc  
180tgcttgtaa aatgcagggt gcagatcttg gtggtagtag caaatattca aacgagaact  
240ttgaaggccg aagtggatca cttgagctca ggagttcaag accagcttgg gaaacatggc  
300aaaaccgctc tttatgtgcc tggaaatcca cctgctcagg tggctagggt ggatggatcg  
360cttgagccca agaggtggag gctgcagtg

389

&lt;210&gt; 3043&lt;211&gt; 387&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggc aatgtgcagt acctgaaaag caggatatta tgaagaaact gaaggagatt  
60gcattcccaa ggacagatga attgaaaaac gaccttttaa agaaatataa cgtagaatac  
120caagaatatt tgcaaagcaa aaacaaatat aaagctgaaa ttctcaaaaa attggagcat  
180cagagattga tagaggcaga aaggaagcgg attgctcaga tgcgccagca gcagctagaa  
240tcggagcagt ttctgttttt cgaagatcaa ctcaagaagc aagagttagc ccgaggtcaa  
300atgcgaagtc agcaaacctc agggctgtca gacgagattg atgggagcgc tttgtcctgc  
360ttttccacac accagaacaa ttccttg

387

&lt;210&gt; 3044&lt;211&gt; 373&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggatac ggctgcgaga agacgacaga aggggtatgga  
60gtagtggag tgtattgctt agaacaaaag agatgagaca ctaacactgt gtgtatattc  
120taaatcatat atcagtgaag aaatgtgatg tttgcaacat cttctctggg gatgctaacc  
180ccctaagtca ttattaccat gcatgtaagc acctcaccta gatctgcact ccatctagca  
240gtgagaaatt ccaccataat ctacacacca taatatcctc aatgtgtcta gaagtcagat  
300cctctatgtg tgaaccaaga caatgcctgg caaacaagac agctgggctc tcaggtctct  
360gcaccatggg gag

373

&lt;210&gt; 3045&lt;211&gt; 379&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga agggctcaca  
60cctgtaatcc tagcattttg gacgctacgg cataagcatt gcttgaagcc aggagtttga  
120ggccggcttg ggaacagtg aaatcctgtt tctacacaaa ataaaaaaaaa ttagtgtgct  
180gtggtggtat gcatctgtag tcccagctac ttgggaggct gaggtgagag aatcacttga  
240accagaagt tcaagactgc agtgaactat gatcgaacca ctgaacttca gcctgggcga  
300cagtgaagacc ccttctcaaa aaaaaaaaaa aaaaaaaaaa aaaaaggggg cccttttttc  
360cctaaccaca accttgaaa

379

&lt;210&gt; 3046&lt;211&gt; 410&lt;212&gt; DNA&lt;213&gt; Homo sapien

ctgcgctagt cctaaagagg aaatgtctct actctgcgtg gatgcagccc gcacctggg  
60gccccgggta tttgggagat atttttgcag ccagtcaga ccgttaagct ccttgccaga  
120taaaaaaaaaa gaactcctac agaatggacc agaccttcaa gattttgtat ctgggtgatct  
180tgcagacagg agcacctggg atgaatataa aggaaaccta aaacgccaga aaggagaaag  
240gttaagacta cctccatggc taaagacaga gattcccatg gggaaaaatt acaataaact  
300gaaaaatact ttgcggaatt taaatctcca tacagtatgt gaggaagctc gatgtcccaa  
360tattggagag cgttggggag gcggagaata tgccaccgcc acagccacga

410

&lt;210&gt; 3047&lt;211&gt; 396&lt;212&gt; DNA&lt;213&gt; Homo sapien

caaccgagat gaaggtgaag atgctgagcc ggaatccgga caattatgtc cgcgaaacca  
60agtggactt acagagagtt ccaagaaact atgatcctgc ttacatcct tttgaggtcc  
120cacgagaata tataagagct ttaaatgcta ccaaactgga acgagtattt gcaaaacat  
180tccttgcttc gctggatggc caccgtgatg gagtcaattg cttggcaaag catccagaga  
240agctggctac tgtcctttct ggggcgtgtg atggagaggt tagaatttgg aatctaactc  
300agcgggaattg tatccgtaca atacaagcac atgaaggctt tgtacgagga atatgtactc  
360gcttttgtgg gacttctttt ttcactgggtg gtgatg

396

&lt;210&gt; 3048&lt;211&gt; 358&lt;212&gt; DNA&lt;213&gt; Homo sapien

gcctacggct gtgagaagac gacagaaggg tacggctgcg agaagacgac agaagggtt  
60ctcaattttc cttttgacgc aaaanttact cactcagttt cttaaagaaat attttttaa  
120aagggttca gtatacgtaa gttctctcat ctagacctgg ttgctcta atcggtgacatg  
180aaatgcaggc tttttaccat cgtaagcagc actaatatga acttggaat atttttaaca  
240cgcgaaaggc taacaagatg actcagcaat accaaagaca ggcctgaatg tccgttacta  
300acaaatactg aaaccctttt taaaaaatat ttatctagga actgagcgag aaattttt

358

&lt;210&gt; 3049&lt;211&gt; 413&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgcacgagga agaaaaatgt ttgtaatcta ttcatttgat aaaagaccaa tattcaggat

60attcaagaaa cccaaacaat tcaacagtaa acaaataagc ccatgaaaaa gtaggcacac  
120tttttctatt tacctccata aatagacaat tgtcaaagag agacttacaa atggccaaca  
180cgaatatgaa aaaataactca atgttcccaa tcatcagga aatgcaaatt ataaccacag  
240tgaaatataa tctcatccca gtttgaatgg ctattataaa aaagacaaaa aataaccaat  
300gctgatgagg aggtagagaa aaaggaactc ttgtgactg gttggtggaa atgtaaacca  
360gtacagccac tgtggagaac aatatgaggt ttttcaaaaa actaaaactc atn

413

&lt;210&gt; 3050&lt;211&gt; 398&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagac aaaatgaagc tttaaaacag ataaaaagaaa tctacaattc cccattttaag  
60taggctgtta aatccaacat ttataataaa aattaagcta tttcttttgg gtttcccaca  
120ccactttttac ctgtactgat tttttttctt cttttttttt tttaaaaaaa cagggttttg  
180ttttgtcact cccaacctgg agggcagga cccaataata tttccttaca gcctcaaatt  
240cctgacctca agggatctcc ttcccaaagg gttgcaattg cagggggaac cactgcccc  
300tggtgttgta aaaatttttg cctacagga gggaaactac taaagtctct ggggaaccaa  
360agtaaaattt cttaaaaaca aaagggaggg agaggaga

398

&lt;210&gt; 3051&lt;211&gt; 340&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggggc cctcagtggg catgttccgg tctcccaggt  
60gacaccaacg ggtcccacag agaccagcct catctccgtc ctggctgatg ccacggccac  
120gtactacaac agctacagtg tgctatagag ctggaggcgc cccgtccggg cagccctcgc  
180gccctctcct tctgtgcct tgagtggcag aggagccgtc cagccacacc agctttctc  
240ccaccgctca gggcaggag gtctgaactg cggccccaga gcctttggcc taagctggac  
300tctccttctc cgagtgcgc ctctatcccc ttccccacgt

340

&lt;210&gt; 3052&lt;211&gt; 383&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggagaattcc agtttttctc acatcctcat caacagttgt tattgtctgg  
60ctttttttatt atattcatct gtaatgtgaa gtgtttatct cattgtggtt ttgatttaca  
120tttccctgat ggttgatgat ttcaacatc ttttcatata cttattagt attatgtatc  
180ttcttttgag aatgtctgtt cagatccttt acctacttta taattgggtt atctttttaa  
240tattgaactg taatagtttt taaaaatat atcctaaata caagtctct atcagataat  
300atgatttgca gatattttct gtcattctat gtactgtctt ttcacattct tgatgataga  
360cttttcagcc caaatgtttt tat

383

&lt;210&gt; 3053&lt;211&gt; 415&lt;212&gt; DNA&lt;213&gt; Homo sapien

ctcaggctga tctaaactcc tggcctgaag caattctcct gtctcatctt ccgaaagtgg  
60tgggattaca agtgtgagcc actgcgctag cctatgcttt acttattcca aaaaaataac  
120atgaatggaa agaggaaaaa taaacctgaa agcaagttga gatacattaa tccagctgta  
180ttttaaatga gtaacataac cacaccgacg gggattgggt aagggaggat ggaaaatcta  
240atccaagtga tttatcgaca catcaaagt gtttgactgt atactgtcag ttgtggtggg  
300ggatgggact gcaagaaaaa tcttgaggcc aggcgtggt ggctcatgcc tgtaatctta  
360gcactttgag aggccgaggc aagatcacct gaggtcagga gttcgagacc agccn

415

&lt;210&gt; 3054&lt;211&gt; 421&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagaa gaccttgat caaaaggaag cttctatacc tctttcttct tcgcttctc  
60ctctcccaag caatggaaac ttttaccat gtaattctag ctgaactcag gaaaaagaag  
120ggggaaagga ctctgtcccc ttggggctca tcaccttcc acatcctcct cctcgttgcc  
180ccctggtcag gcagcttctt tttttttt ttataaagg atttttgtt tgtccccag  
240cttgaaagcc agggggcccaa tctgggttaa tggaaaactt tgccctccga ataaaagcaa  
300tactccggcc tcaccttta agtaccggg aataacggg cccctcccc cccccgggt  
360tattttttgt ttttaaggga aaacggggtt tacccttgc gcccaaatgg gtttaaaact

420g

421

&lt;210&gt; 3055&lt;211&gt; 162&lt;212&gt; DNA&lt;213&gt; Homo sapien

acctatnatg gaattcta atgtcattat taatggaatc aatcgaaata tgctctatag  
60agaatatatc ttttatatat tgctgcagtt tcttatgtt aatcttttaa cactaaagga  
120acatgacata atcataccat agaagggaac acaggttacc at

162

<210> 3056<211> 381<212> DNA<213> Homo sapien  
cggttgctgtc gggctgtgag gcgctgggga atctcaaaaa acttcagccg gggacaatca  
60aaaatctgaa gcaggacaat tggggagaga gagatcactc ttcttgaaga gatcatcatg  
120cagttgtaga tccttttgtt ctagaaaggc cacaagaagc tgagaggaag tctgattcct  
180cagtgcgcat ggggatggga ttgggtggg ctggtctggt ggtggagcca ccggtatggc  
240tgacaagata ggggtgggt cagtgtggg caggggttga gagtgcgggc cctgggtcag  
300cctgcttatg tatcagtcct gcctctgcca cttactatgc aacctggagc aagtgaacac  
360ctcagggctc agagtcttca t

381

<210> 3057<211> 400<212> DNA<213> Homo sapien  
nnnaccgagat gaagtgtttg atgtgtacaa agccccactg cagggcgacc acaatcatct  
60ttttataaga caaggtactg gtctacaggg acaagcagtc tttaaaacga aactcacctt  
120cagacctcac tctacggaca gtgccacaca tagaaagatg actctgtcac ttgcagatag  
180gtgttcaaag acacagaaga ttagaatctt gccaatggct ggtcgtgac ctgaatgcca  
240acgcacagaa atgattaaga aagaagaaga acgtttgagg gcttccatac gtagggaatc  
300tcagcagcgc cgaatgagag agaaacagca ccagcggggg ctgagcgcca gttacctgga  
360acctgatcga tacgatgagg aggaggaagg cgaggagtcn

400

<210> 3058<211> 335<212> DNA<213> Homo sapien  
tacggctgcg agaagacgac agaagggcta ctatgttcct gataacctga tactgctccg  
60ttaatcctcg tgggttgata cttgaaagat atattaatcc tcatggagca ggatcagatt  
120accaggaaca taggagtgga ttctgtcca aaccaaattg cattcctttg gatttttaaa  
180tttaacttaa ttggctattc taaagagtcc ccctcaccca atgtttgatc attggagccc  
240ttaagatgca caatgaaatt gtgttttgca ttttttggtta acaggactaa aggaaggacc  
300tggtaatgta tgctggagca ttcttcttg aaggg

335

<210> 3059<211> 387<212> DNA<213> Homo sapien  
ggcacgagca ttgctttgct tgtgcatttt gtccaattct tggttcaaaa tgccaaaaac  
60ctggacaact tgtagtcaag gccctccact ggcaacatgt atatgtgtt ttgaggtggt  
120aggtagctga gattgaagat gagtggattt atgaattgaa taacaataaa taccctatt  
180aaaaatgtta aaagttggaa atcatctctt attgtgataa catatttctc ctccctggga  
240atctgttgga cagattggag ctggcagggg agggcctgta ttggtgaagt tgccatggct  
300actgcaggaa gtgagctttc ttctaaaaac ctactggcc caagaacaag cccaggcaag  
360tctacaattc aatgacttag aagtatt

387

<210> 3060<211> 395<212> DNA<213> Homo sapien  
ggcacgaggg tgtggagagg gcagtggccc tcatttatca ctctgacctt cacagggaca  
60gatctgattt atttattttg gttaaaaaaa aaaagggaaac aaaaccaact ttgcattgca  
120tgggctggac ccataaacta agttatatcc gggaaaaaaa aaaaaaaaaa aaacccccctt  
180aaaaataatg ggggggggtt tcccgaacc ccaacctgaa aaaaaccctt ggggggttgg  
240ggccaccccc ccctaaaagg ccgggaaaaa aaggcttttt ttggaaaatt gggggggctt  
300tggttttttt tggacccctt taaacccgga aaaaacaagt taacccccac aatgggtttt  
360tttttttttt ccaggggccc gggggggggg ggggg

395

<210> 3061<211> 399<212> DNA<213> Homo sapien  
ctggtgtag ggtactttgt ttttgaggtt tggcagagat gtgtttaaga gctgcggctc  
60acaagcgagg ggaggtgtgg gaggttttct tattggagaa taacaaatgc taagggtgac  
120gtggaagaag ttcaaggacc tggagtgtt ggtgaattc caatcatcat ccaggtcgg  
180gtatatgaat acacaagctg taccacattc tctacaacat caggatacat ggaagatat  
240tataccttcc attttcttta ctttaagac aagatcttta atgttgccat tccccgatc  
300catatggcat gtccaacatt caggggtgtc atagcccgat tggaaatggg tcctgatgaa  
360tatgaagaga tggaaacaaga ggaggaggag gaatatgag

399

<210> 3062<211> 399<212> DNA<213> Homo sapien  
tgacccttgg actctcagac accttgaggt tcagcagagg aaaaaggtac cacaaaagaa

60tttgaacaga gggcctgatg aaacagtgag gtttcacata acccaagcaa agaacatttt  
120tcaagagaaa aagaaaggac agttccatct attgatgttt gagaaatcaa atgagatttag  
180gtgagagaag aaactattgt gggaactaaa tgataagaac ttacgaacac aaagaaggaa  
240acaacacata ctgaggtcta cttgaagtgg ggggaggtgt gggaggtttn ntatntnnnt  
300nanntatgan anttaaaactg tgtgtaatta ggggggttta ttaaaaattt ttttaaattg  
360gatagagaag cttaagaaat gtgtgtgctg ttggggtgn  
399

<210> 3063<211> 385<212> DNA<213> Homo sapien

cgatgctgtc ggcagaacac tgatgagctt cccagcacag ggacaggaaa ggtggcttgc  
60gggtctggaa gaagggtcag gtggcattta cacagtggga gagggtgat cggagacagg  
120cattccatgc agggcatttg gaagcaaaat gtggaggtca ggccatgctg ggctattcag  
180agaaggaagt atgggacatg tgggtgaacc cgaatgccta gtaaggcagc tctgatggag  
240gaagccaagc tgatggcatc tctctggcac ttggcagcga tggccttcat tacttacgtg  
300ctcctggctg ggatggcact gggcattcag aaaaggtcag tgccaagccc ctctcttacc  
360ctccccctcc tgtgagctct tctcc  
385

<210> 3064<211> 334<212> DNA<213> Homo sapien

tacggctgctg agaagaccac agaagggtac ggctgctgaga agaccacaga aggggtacggc  
60tgctagaaga ccacagaagg ggaaaaataaa aaaataaaaac attttttttg gccctttttt  
120tgcaagttc caactttatc aaaatctttt tataatttgg gccaaccccc aattaaagtg  
180ttgggaaaaa actttttttt tgggaaattt tggaaccttt tgcttttttt ggaccccttt  
240aaacttggca taaaccagtt aacccccccc atttcctttt tttttttttt taagtacacg  
300gggggggggg gggaggggta gcttctgttg aaac  
334

<210> 3065<211> 422<212> DNA<213> Homo sapien

cgttgctgtc gccaggcccc actcacacca ctacaggctc tacctatagt gccattacca  
60ctacccacag tgctccaagc cccctcactc acactactac aggctccacc cacaagccca  
120taatctctac ccttactact acaggcccta ccttcaatat cataggccca gtccagacta  
180ccacaagccc caccacact atgccaagcc ctaccatac cacagcaatc cccgcgatac  
240ttcaacgct tctgacttcc aggtgatgac tgggccccca ataaatcccg tctttgggtc  
300nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn  
360nnnnnnnnnn aaaaaccccc cgcggcgctt ttgttagaa aaaaacaaaa aaaaaaaaaa  
420aa  
422

<210> 3066<211> 421<212> DNA<213> Homo sapien

ggcacgaggg gctggggcgc cccccacttg catctcagag accccggaat gcaaggcctc  
60ctgcagctgc acccagggcg cccacagtgt atctggggat taggacgctc aggtgtccgg  
120gccctgcccc cagcgcttg ggggagctg ctgtcacacc cagcaggtgc gggccgagca  
180ggacccaaca gagggtcag gagggaagg cccaaccggg agccacgtgg aaccagagg  
240aagccgcccc acccagcttg gccacagcca tcttccctcc tgccggacag ggtgggcccg  
300ccaccgagca gaccagtgc cccgccttg tcccggtca gcagccccag ggcccccttg  
360cctcatctgg ggcggctgtg ggctctggcg ctctctctg gctgaggtgg aaacagagac  
420n  
421

<210> 3067<211> 398<212> DNA<213> Homo sapien

ggcacgagac cgtgttggag gccatttga gaattattgac ttaccacagc gaccgtttca  
60tgcatctca acagttagt ttccaaatag tctgcaggaa gtagggcaca gaaacagggg  
120gaggattggg tgtttttcct gttctgtgc cctacttgag tcttctaata ctctgtctag  
180aacttgaatc ttgttagat aatgaagggtg atcaggtgat tcatacatct tctttcatca  
240atcaacatcc aatcattttc tggaacctcg tttggtattt cagacgtttg gaccttccta  
300gtgacttgcc aggacttate ctacatctg aacattgtaa tgaagggtga cagctttctc  
360tgcatctct gttccaggat agcaaacttg tgtatatt  
398

<210> 3068<211> 421<212> DNA<213> Homo sapien

ggcacgagag atgacatttt ctccgatttt tattatgttc ggttcacgga gcggctacat  
60gaagttctga aggatgggtc gccccgggtc actccacttg gctatgtctt gccagccac

120gtgactgagg agatgctatg ggagtgcaag cagcttgggg ctcactcccc ctccaccttg  
180ctgaccaccc tcatgttctt taataccaag tacttcctat tgaagacagt ggaccagcac  
240atgaagctgg ctttctccaa ggtcttgcca cagacaaaga agaacccttc taatcccaag  
300gataaaaagca cgagtatccg gtacttgaag gcccttggaa tacaccacac tggccagaaa  
360gttacagatg acatgtatgc agaacagacg gaaaatccag agaatccatt gagatgtccc  
420t

421

&lt;210&gt; 3069&lt;211&gt; 386&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggaataaaac attttactta aacacaaaga gcatcagtga cctgtgggac  
60aactttatgc agccttatta tctatggtga ttggcgtccc tgaaagagag gagtggggag  
120ggagatggaa taggaaaaat acttgaagac ataatggcca aagattttct gaataataa  
180aaaactaagt ccacagatcc aagatgctca acaaaccttg agtatgagaa atatgaagaa  
240aaatatgcca aggtcatca taacttgctg gaaaccagtg ttaaaaagaa aatcttaaat  
300gcaaccaggg gagaggatag ttacttgcag tggaacaaag acgaagtga cattacactt  
360ctcattggaa acaatgccag taagca

386

&lt;210&gt; 3070&lt;211&gt; 415&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggaggaacaa ataaacactt atgacatata gaaaacaaaa agttagaatg  
60gcagaagtca gtccagcctt atcaatagta acattaaacg tgaatagatt taacaattca  
120ttcaaaagac agattgttat attggatcag aaaacaagat ccagttatat gcagcctata  
180gaaaacacac tttcaattca gagataaaat aggttgaaag taaaggacag aaaaagatgt  
240atcatgcagg cagcatccac gagaaagctg gagaggctgt acttttaaaa agttggaggg  
300acagagtctc actctgtcac ccaggctgga gtgcagtggc acgatcagct cactgcaacc  
360tccacctccc gggttcaagc aattctgatg cctcagcctc ccaagtaatt gggat

415

&lt;210&gt; 3071&lt;211&gt; 411&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagac tgaccatgcc ccttggacaa gttatttagt ctcccggagt ctgtttgtc  
60atctctaaag agagggtgat gacagtacct ttttcccagg gttacagagg gattgaatga  
120gatgatggat ggcccagtg ctaggagaca gtagcacttt gtccttaata gggattttag  
180caataaagcc agcatgaaat ttatttttca tgcccttaga tttgaaaatt tatgacttag  
240aatgtgtgta cttcttaggt taacctgccc ttcgtcacct catgaaaagt aagacagact  
300taggtggctg actttggagg gttttttttg ttatatttgc tttcattata gatcagcaac  
360cgttggaagc tggcccagggt acaagtacaa aaagactcta aagaagctgt t

411

&lt;210&gt; 3072&lt;211&gt; 406&lt;212&gt; DNA&lt;213&gt; Homo sapien

ttgagatttt aagtgaatgt aagcagaaaa agtcagatcc aatttacaga aatcagagtt  
60agctacagct aggactcgtt tgggtggggg tttttagttt gtctttctaa agtcatgtgg  
120accttaattt aattacaaaa gtctaccctg gtggtcatga aataggcagg cctatgaaga  
180aaggcctttt actcttccag catgcaagct cagaaccaac acattactct ctgtgcctaa  
240tgttctctca tgtggttgat tttttttttt aatttataga gcatttcggg ggaggtgtgg  
300ggagtttctt nnncacttta tctccnnntt acaaaaaattt gaggtgcaaa gggaaggccc  
360gatttttttt ttaatgaatt tttttttatt agatctcgag ggttat

406

&lt;210&gt; 3073&lt;211&gt; 409&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt aaaacacccc ctacatgttc caattctggg cctgtcttct atctatcttt  
60gcccttctgg tccgttccct gttctgagcc ccagggaact tagggctgaa agtcaccccc  
120gaagcctcag accagatcgg gaggccacac gcagctcatg gggacagagg gcccagggtg  
180acggtccact catgagaagt gctatgtgac tccaggaggt ctgtccctct ccgggctcca  
240atccccagcc caagctcaga tgaccagcc tgtgtccctt tagcggccga ggagccacca  
300cctgttcggg ggctggagga tggcttccca gaggacctgg gacactcacc tagctcgttc  
360atggcacggc ggtactctc atcacaggac agcttcataa cagcacagg

409

&lt;210&gt; 3074&lt;211&gt; 406&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcaccaggn tgtccagagc gttgttcac tctacagact cctcagcgt ctgcagggtg  
60tgggtgctgca gcaggacagc tacattgagg accagaaact ggtgctgagc gagagggcgc  
120tcactcgcag cttgtcccgc ccgagctccc tcattgagca ggagaagcag cgcagcctgg

180agaagcagcg ccaggacctg gccaacctac agaagcagca ggcccagtac ctcgaggaga  
240agcgcaggcg cgagcgtgag tgggaagctc gtgagagggg gctgcgggag cgggaggccc  
300tcctggccca gcgcgaggag gaggtgcagc aggggcagca ggacctggaa aaggagcggg  
360aggagctcca gcagaagaag ggcacatacc agtatgacct ggagcg

406

&lt;210&gt; 3075&lt;211&gt; 399&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt ctgatgttgg cctagggaag ggacggtact acagtgtaaa tgtgcccatt  
60caggatggca tacaagatga aaaatattac cagatctgtg aaagtgtact aaaggaagta  
120taccaagcct ttaatcccaa agcagtggtc ttacagctgg gagctgacac aatagctggg  
180gatcccatgt gctcctttta catgactcca gtgggaattg gcaagtgtct taagtacatc  
240cttcaatggc agttggcaac actcattttg ggaggaggag gctataacct tgccaacacg  
300gctcgtatgt ggacatactt gaccgggggtc atcctaggga aaacactatc ctctgagatc  
360ccagatcatg agtttttcac agcatatggg cctgattat

399

&lt;210&gt; 3076&lt;211&gt; 425&lt;212&gt; DNA&lt;213&gt; Homo sapien

atccccatcga ttcgaattcg gcacgagcta accaggacgg ccagtaggc agagctcatt  
60tttattcctg tctgcaatcg tgcaaaaacg cctcttatgg aaaagccaga gcgccaggag  
120tcagcaaaaac aactaaaga ttgggcagtc actggggaga aactcagcc cgctgcacc  
180caggtgaaat atacagcctt gttgctcaca caaagcctgt ttggtggttt ctccacacgg  
240atgcatgtga catttggtgc tgaagaccca ggacaggagg actcctttgg gagaccagtg  
300ccctgttgtc gcctcactc cgtgaggaga tccacctatg atctcaggtc ctgagaccaa  
360ccagcccaag gaacatcttg ccaatttcaa atcggatagg agtgtcaggc ctctgagtcc  
420aagct

425

&lt;210&gt; 3077&lt;211&gt; 404&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt ttttgtttt aagagatggg gtctcgctgt gttgccagg ctggaatgca  
60gtgactgttt acagctgcga tcatagcata ctacatcctc aaactcctgg gctcaagcaa  
120tccccttget tcagcctgcc aagtaactgg gactacaggc gcaactgctgt acccggtttt  
180gtgtttgttg aaataatttg aaagggtatg ctggaagcat attaaagtgg ttattgaagc  
240agatctgtgt tgggggtgat ggggagagaa aatgtgggct ccagttgagt ttaaggcagg  
300agtgtccaat cttttggttt ccgtgggcca cattgggaga tttgtcttgg gccatacata  
360aaatacacta atgctaataga tagctgatga gctaaaataa aaaa

404

&lt;210&gt; 3078&lt;211&gt; 376&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga gcggcgcgcc ggttccttgg ttcctgaggg cgatggcgcg ggggtggctgg  
60cgccggctac gccgcctgtt atcctgtggg ccttccctgc actactggta ctgtcgctg  
120gaccgcctat tcctgcgtc tggcctccga ggcttcccaa atgtcctcaa gaaggtcctc  
180gtggatcagc tggtagcctc tccattgctg ggcgtctggg acttcttggg cttgggctgc  
240ctggagggtc agacagtggg tgagagctgc caggagctgc gggagaagtt ctgggaattc  
300tacaaggcag actggtgcgt gtggcctgct gcgcagttcg tgaacttcct ctctgtgcc  
360cctcaatttc gactc

376

&lt;210&gt; 3079&lt;211&gt; 326&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggcat ctataggaaa aagtctttcc ctatggaagc  
60tactccctta aactagaaga ggcgactgtt ccaccagatg cacagatatt aacataaaga  
120cccaagaaac acaaagaagc aaaaacaaaa cgaaacaaaa aacacacaaa caaatgaaac  
180gaaacacaa acttccaaat gaacataata atttctctgt tacagaccct aaagaaaaga  
240aaatctatga aatactacga agaacttgaa aataatgatc ttaaggagac tcagtaagat  
300ataagagaat acagaataac aattca

326

&lt;210&gt; 3080&lt;211&gt; 393&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg gaccactacc accaagacgt ggagatcgac agtggcccct aaagcctggc  
60tgcgctgtta ttattggat acaaagcaga tggggcaggg taaagagttt acacattcgg  
120caaagcacag ggcaacagcg atctctaata gaaggcgag cgttaccgtc tcatgcggga  
180attccactct cggcccgcgc tggcccgcgc ctttatcggt attttccact tgcgcctact  
240gctcaggcaa ttgtgcaggc gaccccgag ccccgagccg ttctccccgg cctcagacga

300tttacggggtt taccttttcta atgaagccca acggaagctg ctaacgtggg aatcggtgca  
360taatgagaac tttctgctgg cacgcgctat ggg

393

<210> 3081<211> 390<212> DNA<213> Homo sapien

ggcacgagcc acaagaagca aaccagatgc ctccctccatt tcccaagaag agcctcaagg  
60agaagccaca cctgtgggca acagagaatc cccgggacaa gctgggatga attcaattca  
120ttccccaggc cctgcgagcc cagtcagtca cccggatggc caagaagcca aggcactggc  
180gcccttttgca tgtgacgtgt gcgagaagag gtttacgtgt aattccaagc tagtcatcca  
240caagagatca cacacaggcg agagactctt tcaatgtaat ctctgtggga agcgcttcat  
300gcagcttatt agcctccaat ttcaccagcg aaccacact ggcgagaggc cctacacgtg  
360tgacgtctgc cagaagcagt tcaccagaa

390

<210> 3082<211> 349<212> DNA<213> Homo sapien

tatgtacttc gattgcgaca tgacaacata cagtgatgag ttggtgcaat gcactcctac  
60aaggcaacga aagataagct ctatttagca acttcgtgat gctatctggg ttattgggaa  
120ccattataaa ctgcaataaa ctggctagct acgacaattg catatcttgt atgttacaag  
180attaagggga ggagcgtgga ggcttagctt anagtcacaa aaggagaact tgaanaacaa  
240atgcaagaaa aatctgacca gctatagatg catcatgcca aaataaagga actagaagat  
300ctgaagagaa catttaagga gggtaggat gagttaagaa cactgagaa

349

<210> 3083<211> 410<212> DNA<213> Homo sapien

cgggtgctgtc ggaactggtg gtggctccag caggtgtgac gatgaaagag ggaaatgaga  
60tcctgcagcg tagcacgaaa ggtaccaggg agctagttag aaactcaacc cccagcctga  
120ctccctgtcc acagtcccgt tgttccttca cagccttaca gggtatccca gcaaccagac  
180tgagccctgg ggaagggttcg aataacctca ggcaggccag agcacaactc ctgccatcct  
240tctcttagct tagggaaagct tgcccctaga gcagcatctt catagtatgt tccccaaaac  
300tagtcttatg cgatgctcat cagaaaaaaa tcctgagcaa taactccttt ctctatcccc  
360tatcttgcat aaagaattgc acattcactt attanaggct ctgagaagn

410

<210> 3084<211> 390<212> DNA<213> Homo sapien

ggcacgagac atctttctct acttctacat ggtatacggc ggcagctcgg gcaagccctc  
60cgagaagaac ctctacgccg acatcgacgc cgcgtggcag gcgctgcgca cccggatagg  
120cgtgagtccc gagaacatta tcctctatgg tcagagcatt gggactgtcc ccacggtaga  
180cttggcctcg aggtatgaat gcgcagcggg aattctccat tccctctga tgtctggttt  
240gcgtgtggct tttccggata ccaggaaaac atactgcttt gatgctttcc ccagcattga  
300caagatatct aaagtcacct ctctgtgtt ggatcattcat ggcacagagg atgaggtcat  
360cgattttctcc catggcctag cgatgtacgg

390

<210> 3085<211> 424<212> DNA<213> Homo sapien

ggcacgagga ggcgatgaag ggaaagggtg gaaagttagg ctctcgtaaa gcctagagga  
60tgtgtgtggg ccatacaata cggggagtag gccttttggg tagaatctac atgaaatgta  
120ttaggcgatg ggaggggggc gccgaccgc ctacgcgcgc atgtgcatcg gaaacttttc  
180ctgggctctt cgaccctcgg tcggctcccc ttaccgggca tgcgtattgc ggccagttgg  
240gccttcgcaa agtgctcagg gaagtgtagt gtgcaggga agtaggtcac tcctgctatc  
300gcctgttcg gaggtgtttg aggactacaa tcccagagt gcagagcggg cctcaccgc  
360ccgcctctcc gctacgttt gggttgagtc gagttttcct ggctcctgag gaacatggag  
420tgcn

424

<210> 3086<211> 395<212> DNA<213> Homo sapien

tacggctgcg agatgacgac agacgggtac ggctgcgaga agaccacaga tgggttccgc  
60tgcgagaaga ccaactgaagg ggacggctgc gagaagacga ctgaagggtg cggtgcgag  
120aagacgactg aagggtacgg ctgcgacaag acgacttatg ggtatcggt gcgagagacg  
180acagaatggg acggtgctaa aagacgacag aagggtacg gctgcgagaa gacgacagaa  
240gggttacatt acatgatgct tcaatactag ataaaccagg cttttgtgtc aaagctagat  
300tataggatgt ggagttaac tttcttttcc cagcaaggta gtggccatct gagtcagctg  
360gcaaaaactg ggaggattag tgatcaagaa attgt



395

&lt;210&gt; 3087&lt;211&gt; 423&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt gaaagcccaa gtttagatgt gcattaagta ttaaataagca cagtatcttc  
60ttcatggagc cttttttcct ccccatccc ctgcagctgc ctttttttgg gggaaggggg  
120ggaagggtttt ttgaacttta aaaaattaaa aatatagctt attgaataac cgccataaaa  
180aatataaatg cgaatatcat aaactcata ctgctaaact aaattttttt tttttcttgc  
240aacggagtca taactatgat accaggctgt agtgcagcgg cacgatcttg gtatattgaa  
300agctacacct tccgagggtca ctccatcatc ctgcataaac cgtataagta gctggcacta  
360caggtgacag ccacatatc cagctaattt tttttgtgtt tttacaaaa gagagagaaa  
420aag

423

&lt;210&gt; 3088&lt;211&gt; 409&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagag atggctcatg ggccaccaga agcattactg tattattagt atgatttaac  
60ctggacatgc attaaagggt ctattacctt tctttccgtc tgcctcaaca gctgagaagg  
120ggccgccaag gagtccaac cttttgctcc ctctatctg ggagtgcgg atgggagagc  
180gtgcgcccaa gagggggcgt ctctggctg gcaaggaggg aaaggcagcg agagggtgcg  
240gcaggttggc agtcgtcagc aagctggcaa tgagaaggct ccgaactgat gaatggaaac  
300ctgctgagct ggagggcgt aggtgacct tgccgagcat ctctgacagc aatcggcaca  
360gctctctttg gaatagagga aagaagctaa acccaccgc cggaggatn

409

&lt;210&gt; 3089&lt;211&gt; 417&lt;212&gt; DNA&lt;213&gt; Homo sapien

gttgctggcc cttgattgct ggaaggattc cgaggaaaag gacaacaacc tgtgtgggtt  
60ccctcccgac aactgaaatt gcaccataac tccaagaag aaacactccc agaaacaaaa  
120ggcaaagacc cctctgaaac caaagagcaa gtatcacgc ctgacacata aacttcatga  
180cctcgacatt gagacaaaat ctgcctgtgt gacctacaac accactcatt taactccacc  
240aacttgggggt caaataaagg tcttatccca tcaacagaaa aatcattaag agaaaaatga  
300atccccaaaa cgacagtctg cagatccgc aaggaatccg aagacaagtc caaagtcaac  
360gacaagcaat gatggcaatg gtgatcctag ttaataaaaa gcggggagaa tgtgtgg

417

&lt;210&gt; 3090&lt;211&gt; 337&lt;212&gt; DNA&lt;213&gt; Homo sapien

tttacgcctg cgagattact actgaaaggg cagccttgac ctctaggt aatggaatcc  
60tcccacctta gcctctccag tagctggaac tacaggcatg catcaccatg cccagctgat  
120tttaattttt taaaggcagg accttcctat tttcccagg ctgatctcta actcttggcc  
180tcaagcaatc ctctctctt ggctcccaa aatgttggga ttacagatgg gagccccat  
240accaccaat cacaaggatc tttataagag aatgaggcag gagagtcaga attatagaac  
300gtgatgcgtt aatggaagaa catgtcaaag agggacg

337

&lt;210&gt; 3091&lt;211&gt; 375&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggtac ggctgcgaga agaccacaga agggtaacgc  
60tgcgagagac gacagaaggg cagccctcc tgggggcacc tgagagggtt ctgtccagac  
120gatccccgtg acagttgctg tgaatttcc atgctgggca cacttgaggc ccaaagctcc  
180gattcccaaag aggcgccaca gcaaccatgc caggaaactg ggccaggctg aggggtggcag  
240gagagggaga caggaggagg caggaagggg gcagggctg tcagatggat ccctgacaac  
300catcgtctc aagtccgagg taaccttata tctttgctc agcagatagg atgactttgt  
360atgtaggggcc ttcag

375

&lt;210&gt; 3092&lt;211&gt; 428&lt;212&gt; DNA&lt;213&gt; Homo sapien

ccactgaaac tctcggaan cccnnnnncc ccatcgattc gaactcggca cgagggacag  
60gtgcgggag gagctgcagg actgatgtac agaggccagg ggcccagggc aggacccagc  
120ctggacttga ctccctggga tcccaggaag ggcacaccct ttcctacca cccgagtga  
180cgctgcccc tcacagagac ctctttgcc cctggccctt gggttagccg cctcccgcc  
240agcgccatct cccgcccttg gtgctgcccc cggcggttac ctgctctctc ccagcgccac  
300ttggcctctt cctctctctc ttcctccca tcgtctctc ccacctgcgc ctcccttgct  
360tgaacttccc aacgccttcc tattcctttc caactcctt tccccaaat ttcactttcc  
420ttctcagg

428

<210> 3093<211> 384<212> DNA<213> Homo sapien

ggcacgagga gagcaggtct ctgctctggt ggtgatttta ctcaagaggg gatgtgaata  
60ttttatatttt tgtgtggatt tctgtgtagg agtttttgta tgtatggaag aaagagaaga  
120aaataactcaa atacctgagg ataatttgct caggagtcaa agtgataaac tagtttaatg  
180aatttaaagca tggttttcca tgacaatttt taattacatc ctttgccaag acctctagaa  
240aattacacct gctgagcaga tatcccaagg agcatgtgct attttaagat ccccttggtt  
300ttcttttgaca gaagagaaat cagcaggagg acgactgatg agcgtgctgg aactggagaa  
360gaggaggccc cgccccaccg ctcc

384

<210> 3094<211> 345<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggggg ggtggatgag tgtggcattc cgtgaagagg  
60aagggtggtaa gtaagggtttc cttctactg cttctttaag ttgcaggagg gagcttttct  
120cctccccctct ggttgggagc actgaggaca gtgaggaggg cttttacctt gttaatcctt  
180tcctttatttta gctagctttc ctttttgctt agggcttctt cttgagacct tcttccatcc  
240attgggcctt tgaaaggact aatcagacac acacacacac acacacacac acacacacac  
300actcgcatat tcatgcacat ttctcttcat ttccagatcc ttttag

345

<210> 3095<211> 425<212> DNA<213> Homo sapien

ggcacgagat tccagtctct gatataatcc caaaagcatt gaaagcaggg tcttcaagag  
60atagctacac acccatgttc atagcagtat atgagttaaa gaaagaggaa agaaacatga  
120aaagtggctc aatagtcaaa gacaggttta ttttgaagaa taaacctgag aggggcttct  
180ggctgatttc ggtcaggagc atgttctctc acagactaag attatttaag ggttcaggga  
240gagacagctt atgacaggct tggaatgttt ctgtgtaagg gagaagttaa tggcggggtt  
300ggaatgtctc tggtcagagg ggaggtgacc ttggggctga catctctctt gctggagagg  
360aggttatctc gngctggca tgtctctata aaggaggagg tttggaatgt ttctggctag  
420aatg

425

<210> 3096<211> 402<212> DNA<213> Homo sapien

cgttgctgtc gggcatcccg ggggctttga taggagttgt ccgygacccc acggagatga  
60gggttcagag ggtggtgagg gcacatagga ggggagggga agcctggctc tcaggcctag  
120gccccatcc tgcgccaggg cagggtccagg cctggacccc gcctagcgt aggtagtg  
180gtatccctgg aaccagaaga gagtaggtgg gctctggagg cctcaaagga cccccgctag  
240actctgtgat cccacgccc cagaacatgc gtggcgcta tgaggcaagc caggacctgc  
300tgggcacct gcggaagcag cttaacgaca gcgagagtga gcggcgggcc ctagaggaac  
360acctgcgtgg cgccgtcggg cttgtcccg aggcactggc ca

402

<210> 3097<211> 386<212> DNA<213> Homo sapien

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60tgccagaagt ggacttccct gtccccccag gcagaggcag gagtgtggag tctgtgcaga  
120gccagcccca ggagcccgtg agtgtgcccc agacactgac tagcacgctg gagcacattg  
180tgggccagct ggatgtctc actcagacag tctccattct ggagcagcgg ttgacactga  
240cagaagacaa gctgaagcag tgtctggaga accagcagct aatcatgcag agagcaacac  
300catgatcagg ggagcaggaa tcaggagctc ggtggatttg cagggtggcag gccagggatt  
360tgtaccgtgg gacttgggta aataag

386

<210> 3098<211> 407<212> DNA<213> Homo sapien

cgttgctgtc ggggtcgaag tgatcctcac gccttggcct cccaaagtgc tgggattata  
60ggcatgagcc actgtgcttg gccaggattt tttttttttt ttttttgga agggagtttt  
120ttttttgttg cccaggcgga agggcaaggg ggaaatttgg gtaaatggaa cctccccctt  
180tcggggtaaa agggattttc tggcctaacc ctcccaagaa gggggaataa aaaatctgcc  
240cccccttccc aactaaattt tgttttttaa gaaaaaacgg ggtttttcct tgtgggcaag  
300gggggtctta aactcttgac ctaaaggaat cgccccacct gggcctccaa aaggcgggga  
360ataaagggcg gaacccttg ttccaaaagg aaattttttt ttaatag

407

<210> 3099<211> 426<212> DNA<213> Homo sapien

cgttgctgtc gaaaatgaaa agacaagcca tagactggga gaaataattt gcaaacata

60catcttacag agcacttgtg tccagaatgt ataaagaact ctttttattt gcgtgtgtgt  
120gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtttta tacagacact gtctatgttg  
180ccccacactgg tcttgaaccc ctggctcaag agatcggctt ttctaccctt cccaaagtgc  
240taagattaca ggtgtgagtg accacgccc gccaagatct cttaataagg cagcccgcgc  
300ttgggtggat atgcttgtaa ttccagctct ttgagaggct gaggtgggag gatgatttga  
360gatcaagagt ttgagactag cctaggggaa acaggggagac cccatctcta cataaaatta  
420aaaaaa

426

&lt;210&gt; 3100&lt;211&gt; 375&lt;212&gt; DNA&lt;213&gt; Homo sapien

ttcgaattcc gctgctggcg acgatttgc ttagggctcg ggcnnctac gtagcagagc  
60aggtccctct ctgcgatcta ttgagagtca gccctcgaca caagggtttg gacactttta  
120agaaacaaaag atagttttct gaacattctg tgcctgcct gtctcctgtt gattcgcaga  
180tgtaatatcg agtattcatc aactggctct aatttctga acacattcac tgtatccctc  
240attgtaaccg ttatccccct gcttcaaaat gtgccagttc cacttggtaa taacgttggg  
300aaaatgcagg ttatgaatg atgtggactt ttagaggatc aaatcaataa attggatttt  
360ttattttttg agggg

375

&lt;210&gt; 3101&lt;211&gt; 388&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggcat ctataggaaa agtcttttcc ctatggaagc  
60tactccctta aactagaaga ggtgactgtt ccaccagatg cacagatata aacataaaga  
120cccaagaaac acaaagaagc aaaaacaaaa cgaaacaaaa aacacacaaa caaatgaaac  
180gaaacacaa acttccaaat gaacataata attctcctgt tacagaccct aaagaaaaga  
240aaatctatga aatactaaga agaacttgaa aataatgata ttaaggaaac tcagtaagat  
300ataagagaat acagaataac aattcaacaa aatcagaaaa acaatttcta aactgaaaga  
360gaaattcaac aaggatggag ataccatn

388

&lt;210&gt; 3102&lt;211&gt; 417&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt tactctttca ttcactcaag aaatgatctt ttgagttccc ggcctttgtt  
60agagagatga acgaggcacg gtccgtgtcc agctaaagga cagtaggact ggaagagcgt  
120tgtttttcaa ggtacaggat gccgcgcctc ctaggagccg aaggggacggg aggcgcgcga  
180gaggagggga ccgtccccga gcctcgccga gcctgcggtg tagacacctc tgggtgtctag  
240tggttgagga tctgttgacc gggcatgggt ggtagaagga acgctccgag cagaagaaaa  
300gtggctgtcg tgaagacatc tgcgtgtgcg ggggtgcgtg gtgcctggag atgaagctgg  
360aaagagctgc tgcccaaagg gagcaaggag gaacagcggg attacgtctt ctacctg

417

&lt;210&gt; 3103&lt;211&gt; 340&lt;212&gt; DNA&lt;213&gt; Homo sapien

tctatcggct gcgagatgac gacagaaggg tacggctgcg agaagacgac agatgggtac  
60ggctgcgaga agacgacaga agggaattat gtaacatttc tgtacacagt acatcagtg  
120acttaattag ggtgcctcct acctcttaca caaatgaaat gctttgtgac aggtattctt  
180cctcttgaag ggctttttta agaaaaaaaa taatttttaa ctgtatacta gataatctga  
240gattgcaaaa ggagcaccag ataaggaggg tgttaccatg ctgtgcagca gaagaaggct  
300tataattaag cgtactacac tttaatgctg gggttattcg

340

&lt;210&gt; 3104&lt;211&gt; 351&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggtag ggctgcgaga gacgacagaa gggtagggct  
60gcgagaagac gacagaaggg tacggctgcg agaagacgac agaagggtag ggctctctac  
120ttacaacctg ctttctctgc tgaagcctta cctcctcttc agtttccctc ctgacacaaa  
180atcgaaaata atatactgat agctggttag taacctcagt aagaattaaa actgaggggt  
240tttactcatt ttgcctttta atcttttctc cctttttggg gaagggttcc ctttaggaaa  
300aaagggtgtc aacaacctg agtttttttt ttttggcacc atttttataa g

351

&lt;210&gt; 3105&lt;211&gt; 342&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggaga agaaccatgg aacatcttaa caaagaaaa  
60atagagttgt aataggattt gggagaatag tggagtttat gtgaaattta acaaagcat  
120tgtttttgata ggctaaaagc agtgtaaggc tgtgtaaagg ggtcaacatc aggtctgaac  
180tgtcaatcag acccagggtt ctgtttgctt ggaaactaca aagttaacat aatgtggga

240ttttttgtctt caaaaacttc ttctttgaag ctctatacct tggttgtaaa ttgaggctac  
300ttanaaatta tacgtgtaaa ttgagtgaact tagatctgcc at

342

<210> 3106<211> 395<212> DNA<213> Homo sapien

atccgatgct gccgaaacca caaagctaca tactgaccct cttttttttt gagacggagt  
60tttgctattg tgaccaggc tggagtgcag aggcgcaacc ttggcgtcac tgcaattcc  
120gtttcccggtt ttcaagggtt tctccggcct cagcctccca agtagctggt tttataggag  
180cccgccacca gaccgggcta attttttagt tttagtagag acgggggtcc accacgttgg  
240ccaagctggg cttaaagtac cctcttattt ttaacttga tacctgctat tctgcaaaa  
300gacaatttct agagtattta tgaatgggtt gattatcccc actccacaa actctgaagc  
360cagtgtctag cttactaaaa aaagagctgt atata

395

<210> 3107<211> 160<212> DNA<213> Homo sapien

gaacttccta cacaaccctg gtattcatcc cccagacgtt taaattgtgc ggaaatatct  
60agtatcagct ttcattgtac agaccagcc ccttgctcta cctctggagt cacagctgga  
120ttaactaaat taactacaag aaaggacaac tatactgcag

160

<210> 3108<211> 422<212> DNA<213> Homo sapien

cgttgctgtc ggagactgga gaatgtatac acaccttata tgggcatact tccactgtgc  
60gttgatgca tcttcatgaa aaaagagttg ttagcgggtc tcgagatgcc actcttaggg  
120tttgggatat tgagacaggc cagtgtttac atgttttgat gggcatgtt gcagcagtc  
180gctgtgttca atatgatggc aggaggggtg ttagtgagac atatgatttt atggtaaagg  
240tgtgggatcc agagactgaa acctgtctac acacgttgca ggggcatact aatagagtct  
300attcattaca gtttgatggt atccatgtgg tgagtggatc tcttgatata tcaatccgtg  
360tttgggatgt ggagacaggg aattgcattc acacgttaac agggcaccag tcgttaacaa  
420gt

422

<210> 3109<211> 154<212> DNA<213> Homo sapien

gatcaactca nccaggaccc gccagcagat gcattgatgcc catacctttc acagcaactc  
60tgttttgacc caagaagatg cagcagctgc tggggatcgc agaccagccc ctgaccctgg  
120atttatccgc tgattcagat gaagcccttc gaag

154

<210> 3110<211> 351<212> DNA<213> Homo sapien

tactgctgct agaagacgac agaagggtag ggctgcgaga agacgacaga agggtagcggc  
60tgcgagaaga cgaccgaagg gtacggttgc gagaagacga cagaagggga ctgcggcttg  
120tgccgcttcc gcatgaagggt ttcctggcct gttgcagcca tgggtgcattg cactgcgtg  
180ttgttcagaa agattcccaa atgctggaaa atcctctttg ctaagctgcg tgtcttatgc  
240agaacctgct attgccgatt acgcatttac aacattacag cctgaacttg gaaagatcat  
300gtctcagtga ttcaaacaga tattagtagc tgatcttccg gctttaatag a

351

<210> 3111<211> 391<212> DNA<213> Homo sapien

gacccttgca ctctcagaca ccttgagggt catcagagga aaaaggtacc acagaagaat  
60ttgaaccgag ggcctgatga aacagtgagg ttccacataa cccaagcctt gaacattttt  
120caagagaaaa agaacggaca gttccatcta ttgatgtttg agaaatcaga tgagattaag  
180tgagagaaga aactattgct ggaactaaat gatactaact tactaacaca aagaaggaaa  
240caacacatac tgagggtctac ttgaagttag gggaggtgtt gnaagtttat cacacaccaa  
300aagaagttag ggtccccgaa ccaggagaac ggaggggtacc acaggacaat cgctgcccc  
360caacctcgta gcaacagcgg taccgtggga g

391

<210> 3112<211> 396<212> DNA<213> Homo sapien

gggttnnngc cggcctacgg ctgcgagaag acgactgaag gatacggctg cgagaagacg  
60acagaaggggt acggctgcga gaagacgaca gaaggggggt cggcagaacc tgcacgccc  
120cggagcttat gagaggtgtg aattcatgga cccatcctgg aatcagaatc agggccact  
180tctgcatcag aagccctggg tggcaccagc aagtgtttgg caagcccttg agaagcagtg  
240tctttgagaa cgtgacctgt gcccaggca ccagatttac tccccgagcc cagcaggaca  
300tctgcatata acacacagcc gaagtcagaa aatatatttt tggtgactaa acggagcacc

360tggagtacat gataacacac acacacacac acacac

396

<210> 3113<211> 179<212> DNA<213> Homo sapien

cgttgctgtc ggagagacag aaggaactgg cgacagtggc ctcagggccg ctccggggggg  
60cctcaagaac cggaggcagc cccggaggct gccgcgggcg gacacgccag aggaggaggc  
120cggggaatgg ccgcggtgtg gcagcaagtc ttagcagtgg acgcgaggta caacgcgta  
179

<210> 3114<211> 352<212> DNA<213> Homo sapien

tctactgctg cgagaagacg acagaagggt acggctgcta gaagacgaca gatgggtacg  
60gctgcgagaa gacgacagaa gggtagcggt gcgagaagac cacagaagggt tacggctgctg  
120agaagactac agaagggtac ggctgcgaga agactacaga agggtagctg tgcgagaaga  
180cgacagaagg gtacggctgc gacaagacca cttaagggtta ccgctgcgag aagacgacag  
240aagggtaccg ctgcggtaga ccacagaagg gctattgcat gccagcagct atctggggcc  
300ctgggacatc tgtgccagtc cttgagcgcg gagccgctcc agccaccgtt ct  
352

<210> 3115<211> 333<212> DNA<213> Homo sapien

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60tgccagaaga cgacagaagg gatatactaa gagaaagcca tcccttcctc agtccagagg  
120aggaatccta attaaagccaa tcaggtaatt tcattctgct ctgtcagtga ctggccatga  
180ggacagatgg gaaaatctag aagcttcttg aaatatgttt ctctcttcta cacttctac  
240agaagggtgtg ggaggaagag tgccctttct cctctcacc ttcctcccaa ccggtagaaa  
300attcaacaga attatttttt taaatgctgg cat  
333

<210> 3116<211> 346<212> DNA<213> Homo sapien

tacggctgctg agaagacgac agaagggtc ccaatcaagg ggttctgggt ctgtaacagg  
60gcttaagttt aggaactgat taaggagcta tgactggtga ttaagtttag gcactgttc  
120acttacctta gaactcttcc tttgtacag atcaatttag aatttagtgg aatgccatc  
180ttttgttttt ttctaggaac actatgacca gccagccaat gctgtagggt tctgtgaatc  
240agactattca gattattgct ttgactttgc cgtccattat ggtaaccata actactttat  
300cttttagtgat taagtgtgct cacttggccc ctgccacccc aggatg  
346

<210> 3117<211> 343<212> DNA<213> Homo sapien

tacggctgctg agaagacgac agaagggtg agactctgtc tcaaaaaaaaa aaaaaaaaaa  
60attagacttc aaaagggtg ggctcctgaa atcccgcctt tttggggacc ataaccagg  
120gcgggaggat cactcgaccc aggggaattaa aaataaccct gaccaaata aacccgttt  
180ttgaaaaaaaa ttttaaaaaa ctaacttggc ttgggggctc acccctgtag cccacctat  
240taaggaggct ggggtggggag gaccacttga ttctaaaagg ttaaggctgc cttgaccctt  
300tatcacacca ctgtttttcca ccctgggtga caaaccaaaa tct  
343

<210> 3118<211> 403<212> DNA<213> Homo sapien

ctgggatcat gccattgcac tccagcctgt gtgatagagc gagacttcgt ctcagaaaaa  
60aatctaattt taaagtctta agattttgcc attcctccta ctcccaaaca aatctttggg  
120gaaaaaaaaa ctaccaactg tcagccatgg gcctgacggc gctaagctct ggggctccgt  
180gcactgacgt ggggccagcc acagggaggc ggggatcaag tagcggaggc caggattttg  
240gccacctccc gggcaagttg cagggcagtg gcgccgggag caaaagcagc atgatgcagc  
300tcatgcacct ggagtccttt tatgaaaaaa cctcctcctg ggcttatcaa ggaagatgac  
360actaagccag aagactgcat accagatgta ccaggcaatg aac  
403

<210> 3119<211> 357<212> DNA<213> Homo sapien

tatcggtctg tagaagacga cagattggta cggctgcgag aagacgacag aggggtacgg  
60ctgcgagaag acgacagaag ggtacggctg cgagaagacg acagaagggt acggctgcga  
120gaagacgaca gaaggcctc tctacaccc cagggccttg tcatcagact cctcagctc  
180cagacctccc tgtgcagtaa ctccccctc aaagaattca catccctgga cagcagtgga  
240cctttttaaac tataaagccc attctgtctc tactttttaga cgatcctacc aagtttagag  
300aagaaggatat ctaggattga aagtacccca taagaagata ttccgaatac catagag  
357

<210> 3120<211> 404<212> DNA<213> Homo sapien

ggcacgaggc cgggggaggc accagcgagg agccgacatg tgtctgcgcc tcggaggcct  
60gagtgtgggc gacttccgga aggtgctgat gaagacaggc ctgggtgctgg tgggtgctggg  
120ccatgtgagc ttcacacag ctgccctgtt ccatggcaca gtgctgcgt acgtgggcac  
180ccctcaagat gcggtggctc tgcagtactg cgtgggtcaac atcctctctg tcaattccgc  
240catcgtggtc atcacttcag gcatcgcagc catcgtgttg tcacgtacc tccctagcac  
300ccccctgcgc tggacagtgt ttagctcgag cgtggcctgt gctctccttt ctctgacctg  
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404

<210> 3121<211> 372<212> DNA<213> Homo sapien

tctacggctg cgagaagacg acagaagggt acggctgcga gaagacgaca gaagggtacg  
60gctgcgagaa gaccacagaa ggggtacggct gcgagaagac gacagaaggg tacggctgcg  
120agaagacgac agaagggtac ggctgcgaga agacgacaga agggctgcag cagaggagtt  
180gggagatcag tctcaaattc atgtccctga ctaactaaaa ttgaagggtt atatagcaga  
240aaaggaatgt agctatgtgc agggaaacag caattagaga ggggtaagga agaggagttg  
300tcaataggaa gcagggtggc ccttagtaaa ccaataatta cagcaggtaa agaaacaatc  
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372

<210> 3122<211> 387<212> DNA<213> Homo sapien

cgttgctgtc gcattggcct tgcctgaatt tttgcttggg tggtagtggt aattagaatg  
60aatagggttt aaggccattt atgggtggctc atacctataa tcccagcact ttgggaggcc  
120aaggcgaaag aatcagttga aaccaggagc tcaagaccag cctggacaac cctggagagc  
180ccccgcctct ataatttttt tttttttta aattatccaa gtggggcgcc acacccttt  
240agtcctatct actctggaag ctgaccagga ggatggcttg accccaggag ggcaaggatc  
300cagggagcta tgattgcccc actgctttcc accctgggtg acagagaagg accctgtgtt  
360aaacaaaaaa aaaaaaggcc cgggacc

387

<210> 3123<211> 342<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga aggggtacggc  
60tgcgagaaga cgacagaagg gcttctgata gcattggcta ttataagaaa caagtatttg  
120ctctcgtttt taacgggata ataatgctat gtctacataa aatgatttct gccaccttaa  
180atagctcact gtagaaattc atgtataaat ggaaccatat agtacatata tatactctta  
240ggtctggcaa atatttgagg ttcacccata ttttatattc actcatcagt agttgtaaac  
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342

<210> 3124<211> 338<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga aggggtacggc  
60tgcgagaaga ctacagaagg gtacggctgc gagaagacga cagaagggtg cggctgcgag  
120aagacgacag aaggggcttc acgacttatg gcattgtctta tttaaaaaa aaaaaggact  
180aggggcaaat aacattttga gggggtattt aattaaaaat ccatgcaggg acagctgagt  
240tcgggtttta tgttgggcta atacttcta aaattattta gaacaggact ggctagaaaa  
300actttctgcg atgatgcaag ggttctatgt ctatgctn

338

<210> 3125<211> 393<212> DNA<213> Homo sapien

ctttaggaac gagtttctgc ctgtgcactg aagaatttgc ctccaaagac atgacgccac  
60tgaagccagc agaaatgcag gaagccaacc taacaagcat ggggcttttt atgaagagga  
120tagacattgc gggcctaggc cactgtgact tcatgaacag accagcacca gaaagtttga  
180tgcaggcatt ggaagactta gattatctgg cagcactgga taatgatgga aatctttctg  
240aatttggat catcatgtca gagtttctc ttgatccaca actctcgaag tctatcttag  
300cgtcctgtga atttgactgt gtagatgaag tgctaacaat cgcagccatg gtaacagctc  
360caaattgctt ttcacatgtg ccacatggag ctg

393

<210> 3126<211> 325<212> DNA<213> Homo sapien

tctacggctg cgagaagacg acagaagggt acggctgcga gaagaccaca gaagggtacg  
60gctgcgagaa gacgacagaa ggggtacggct gcgagaagac gacagaaggg tacggctgcg  
120agaagacgac agaaggggac ccagaattat ctgggtcaat aaaaataatt ggctatttct

180tctataattg ttggggctaa aatgaccaa taaattagtt cacttcagta acctaaactc  
240aagcattcct atgtgccttg ctctctttct tgcctctgaa tcttatacat gagtatatgc  
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325

<210> 3127<211> 325<212> DNA<213> Homo sapien

taccgctgcg agaagacgac agaaggggtac ggctgcgaga agactacaga aggggtacggc  
60tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggta cggctgcgag  
120aagaccacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg  
180acagaaggggt acggctgcca gaagacgaca gaaggggctc gcgatagcca gccgcggctg  
240cccttgcgct tcccagagctg gcgggggtccg tgggtcgggga tcgagattgc gggctatggc  
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325

<210> 3128<211> 375<212> DNA<213> Homo sapien

tactgctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc  
60tgcgagaaga cgacagaagg gtacggctgc gagaagacta cagaagggta cggctgcgag  
120aatacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg  
180acagaaggggt acggctgcca gaagacgaca gaaggggtacg gctgcgagaa gacgacagaa  
240gggtacggct gcgagaagac gacagaaggg tacggctgcg agaagacgac agaaggggtac  
300ggctgcgaga agacgacaga aggggtacggc tgcgagaaga ctacagaagg gtacggctgc  
360gagaagacga cagat

375

<210> 3129<211> 377<212> DNA<213> Homo sapien

tactgttgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc  
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120aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg  
180acagaaggggt acggctgcca gaagacgaca gaaggggtacg gctgcgagaa gacgacagaa  
240gggtacggct gctataagac gacagatggg tacggctgcg agaagacgac tgaaggggtac  
300ggctgcgaga agacgacaga atgggtacggc tgcgataaga cgactgacgg gtacggctgc  
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377

<210> 3130<211> 337<212> DNA<213> Homo sapien

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120gaagacgaca gaaggggtacg gctgcgagaa gacgacagaa ggggtacggct gcgagaagac  
180gacagaagggt tacggctgcg agaagacgac agaaggggtac ggctgcgaga agaccacaga  
240aagggtacggc tgcgagaaga cgacagaagg gtacggctgc gagaagacga ctgaagggta  
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337

<210> 3131<211> 336<212> DNA<213> Homo sapien

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120aacacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg  
180acagaaggggt acggctgcca gaagacgaca gaaggggtacg gctgcgagaa gacgacagaa  
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336

<210> 3132<211> 379<212> DNA<213> Homo sapien

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120aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg  
180acagaaggggt acggctgcca gaagacgaca gaaggggtacg gctgcgagaa gacgacagaa  
240gggtacggct gcgagaagac gacagaagggt tacggctgcg agaagacgac agaaggggtac  
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379

<210> 3133<211> 338<212> DNA<213> Homo sapien

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120aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg  
180acagaagggt acggctgcca gaagacgaca gaagggattc aaaccaaagg caaagaagtt  
240gaaaactttg aaaaaaattt agaggaatgt ataactagaa taaccaatag agagaagtgc  
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338

&lt;210&gt; 3134&lt;211&gt; 334&lt;212&gt; DNA&lt;213&gt; Homo sapien

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334

&lt;210&gt; 3135&lt;211&gt; 344&lt;212&gt; DNA&lt;213&gt; Homo sapien

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120ttaattatgc taaatgacac atataattat tctttaatat ggaaatatgg tatgtagaat  
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240aaaaattcta taccatttta gagggtttct tcttttgctt tcaccatgat gttcttccta  
300aattatcaat aacacatata ttaactatag tttttcatta tccn

344

&lt;210&gt; 3136&lt;211&gt; 353&lt;212&gt; DNA&lt;213&gt; Homo sapien

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180gaggggggct ttttaaggga aaaaataatt cccttttttt ttcataaggcg ggaggggcaa  
240actttgccac aaagtattta aatacccttt accttggttc aaaaaatctt taggygacat  
300aaaaccgttt ttgggcgggg ggggttcccc cgtgaacca accttttggg ggg

353

&lt;210&gt; 3137&lt;211&gt; 384&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggtac ggctgcgaga agacgacaga aggggtacggc  
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120aagacgacag aaggggaccc agaattatct ggggtcaataa aaataattgg cctattcttc  
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240gcattcctat gtgccttgct ctctttcttg cctctgaatc ttatacatga gtatatgctt  
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360tttgcttaac caagtatttc tcgt

384

&lt;210&gt; 3138&lt;211&gt; 403&lt;212&gt; DNA&lt;213&gt; Homo sapien

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120gtggccgtca cccttaccga caggcatgcc atctcctgag gatctgcggg tgggtgctgat  
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240ggaagctgca cggccttttc gggcgcttc gagttggggc gctgatccag ctccgaacgg  
300agcacaagcc ttgcacctat caacaatgtc cctgcaaccg acttcgggaa gagtgccttc  
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403

&lt;210&gt; 3139&lt;211&gt; 335&lt;212&gt; DNA&lt;213&gt; Homo sapien

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180gaggttaatc agataaagac agaaagtccc ctgtgtgttt tagccattag aaagtcttgg  
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360ggactggatg ggcacaatga cacgggcttg gtctttgcca cc  
402

<210> 3332<211> 372<212> DNA<213> Homo sapien

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372

<210> 3333<211> 436<212> DNA<213> Homo sapien

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120ttgttggtc agactgttg taacaggaac tctgaagccc gggctttcaa gccagaaaca  
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240actgtgaaca tgggtcagaa acaggaaatt ctggatctct tttcttcagt actctatgaa  
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436

<210> 3334<211> 377<212> DNA<213> Homo sapien

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120aagaagatga cattcactta gtgacattat gtgtgacaga attaaatgac cggaagaaa  
180acgaaaacca ctttccagta atatatggca ttgctgtcaa cattaagact gcagagattt  
240acagagcatc ctttcaagat cggggctcgg aggagcagct tcgtgctgcg cgaactttag  
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377

<210> 3335<211> 408<212> DNA<213> Homo sapien

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120ggaaattacg atatgaaata gatactggag aagaacaaa atttgtaaac ccagaagatg  
180ttgccagact gatatttagt aaaatgaaag aaacggcaca ttctgtattg ggctcagatg  
240caaattgatg agttattact gtcccgtttg attttggaga aaagcaaaaa aatgctcttg  
300gagaagcagc tagagctgct ggatttaatg ttttgcgatt aattcacgaa ccgtctgcag  
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408

<210> 3336<211> 421<212> DNA<213> Homo sapien

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120gcaagtcaag gggactcttt gcaggcgtgt ctttagaagg gagctgtttg attgaaagga  
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240atacaccgcg gcctgtctca gccgaagatc tttatgaaat tcttgattcc ttactgaaa  
300agtatgaaaa tgaaggacaa cgaatcaatg caagaaaagc agcaaggag cagaggaagt  
360cttctgctaa agaattacct ccaaagccat tgtcaagacc acagcagtca tctgcaccag  
420t  
421

<210> 3337<211> 455<212> DNA<213> Homo sapien

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344

<210> 3147<211> 375<212> DNA<213> Homo sapien

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120aagacgacaga aggggtacggc tgcgagaaga ccacagaagg gtacggctgc gagaagacca  
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300gctgagagaa gacgacagaa ggggtacggct gcgagaagac nacagaagggt tccgtcagtc  
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375

<210> 3148<211> 373<212> DNA<213> Homo sapien

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240gggtacggct gcgagaagac gacagaagggt tacggctgagc agaagacgac agaagggtcga  
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373

<210> 3149<211> 374<212> DNA<213> Homo sapien

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240gtacggctgc gagaagacga cagaagggtta cggctgagag aagacgacag aagggtacgg  
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374

<210> 3150<211> 372<212> DNA<213> Homo sapien

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120aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg  
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372

<210> 3151<211> 381<212> DNA<213> Homo sapien

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381

<210> 3152<211> 395<212> DNA<213> Homo sapien

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120agaagggtac ggctgagaga agacgacaga aggggtacggc tgcgagaaga cgacagaagg  
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240ctgctagaag acgacagaag ggtacggctg cgagaagacg acagaagggg acggctgcga  
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395

&lt;210&gt; 3153&lt;211&gt; 374&lt;212&gt; DNA&lt;213&gt; Homo sapien

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300taactgtggt aattctagag ctaatacatg ccgacgggag ctgacccnct tcgcgggggg  
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374

&lt;210&gt; 3154&lt;211&gt; 375&lt;212&gt; DNA&lt;213&gt; Homo sapien

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300aggagagcca gactagcagc agagacttcc cagcagagtt gggaaagtgc tacagtaatc  
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375

&lt;210&gt; 3155&lt;211&gt; 410&lt;212&gt; DNA&lt;213&gt; Homo sapien

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180caccatttat acttaatat tggggagggg aaaggggaat tttcaaggta tatatatatt  
240atccctgcct atatttagaa atatgccttt acctttaaca aggcataaat tgctcggtgg  
300attattttcac aaaatacgtc agggggaggc agtaatacta tgtaagcta ttaatagatg  
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410

&lt;210&gt; 3156&lt;211&gt; 376&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga agggtagggc  
60tgcgagaaga cgacagaagg gtagtaaggg gaagctggaa gactcagcca gtctagcctt  
120tccacattcc attagcagct gattagatgg gccaccccag actgaggggtg gtctacctcc  
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240caatactttg catccttcaa tccaatcaag ttgatactca gtattaacat ttcgaggcta  
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376

&lt;210&gt; 3157&lt;211&gt; 411&lt;212&gt; DNA&lt;213&gt; Homo sapien

gcgttgggag ccagggtgctg tgccggacgt gcttggagca gcggctgcag ggcgaggtgg  
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120ccaacctatg agacatcttg ctcataaact tacagtatgt ttcagaagtg gaaataatta  
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300ctctagaggg ccagcagctc ttccagacca ttcacaagac cattaaagac tgtaaatggc  
360aagaaaaaaa catcgtagtc atgggagaag ttgttattac acccccatat n

411

&lt;210&gt; 3158&lt;211&gt; 384&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggccgcgcgc gccgcgttgg cctgcgcgcc cctgctcgga caccatgcc  
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120ccgaggagga agaagctaac tattggaaag atctggcgat gacctacaaa cagagggcag  
180aaaatacgcga agaggaactc cgagaattcc aggaggggaag ccgagaatat gaagctgaat  
240tgagagacgca gctgcaacaa attgaaacca ggaacagaga cctcctgtcc gaaaataacc  
300gccttcgcat ggagctggaa accatcaagg agaagtttga agtgcagcac tctgaaggct

360accggcagat ctcagccttg gagg

384

<210> 3159<211> 439<212> DNA<213> Homo sapien

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120acctattgtt tcagaagtcg gtgaccttg aggacgtggc tgtgtacttc acccaggcgg  
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439

<210> 3160<211> 373<212> DNA<213> Homo sapien

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60tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtta cggctgcgag  
120aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg  
180acagaagggg actcctgctc agcatggctg ctttagggac tgttctcttc acaggtgtcc  
240ggaggctgca ctgcagcgtg gccgcttggg cgggcccga gtggcgacta cagcaggac  
300tggctgcca cccctccggc tacgggcccc ttaccgagct cccagactgg gcatatgcgg  
360atggccgccc tgn

373

<210> 3161<211> 369<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtac ggctgcgagg agacgactga aggggtacggc  
60tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtta cggctgcgag  
120aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg  
180acagaagggg acggctgcga gaagacgaca gaagggtacg gctgcgagaa gacgacagaa  
240gggtacgcct gcgagcagac gacagaaggg ggagcctcat ctgcaatgta ggggcccggc  
300gacctgctcc agcagctggg gctgcaccag caggaggtcc tgcctccctcc actgctgctg  
360ctccagctg

369

<210> 3162<211> 421<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gatctagttt cgagagcagg cttttttttt tttttttttt  
60aacctcggca aaaaattttt ttgaaaaaac ccccttaat tggctactgg gggatttaat  
120tcccgggatt tttgggacgc ccttggcttg aaagggggaa aagtttaaatt ttatggaacc  
180aaacctgggg cctatttggg aaatcaggcc cttggggcaa aacagaaaaa atcttttgcc  
240ccccaggatc cgggattccc tggggaaaaa aaaatcaggg aaaaaaaccc ccccttcag  
300ggaaggtctt tgtacaaaag ggaaaggttt aaaaaaaagg gcgggggaaa aaaaaacgga  
360ggaggggacga ggtttcagga aaatgccagg gaagggaagg cccctggaaa aaaccttttt  
420a

421

<210> 3163<211> 398<212> DNA<213> Homo sapien

ggagaaaggt gggcatagta caacccccag gactgtgcct tccccaggac accctcatcc  
60ccccagtc gatatcttg ctgactgggt cacccttctt cacaggacac acacacaggg  
120ccatgaaaaac ggcttcttcc aaagatccca cggctcgggc ctcccttcgg gggccacctt  
180gcccagtggt cgggggcttt ccttccaga agcctgtgag gtccggggta cccactctc  
240aggaacccca aggtcagggc accgtctacc ctggctcagc tcgtcaccga ccgtctgaag  
300cccccttctt caccaaaggt tcggagctgg cggngggctg aggtgttcac gaacagtccc  
360agccccctgg gctgcatgtc cagttctgtg cggcatga

398

<210> 3164<211> 396<212> DNA<213> Homo sapien

gaccactgct gccattcatg tgcaccatac tataactgc aggatcccc tgggtgggcaa  
60actgctgctg ggaaaaggag ctgtaagtaa acaaattgta atattacctc tgggaagtcac  
120tttagcgaca aagggtatgc ccacagaaat tactacaatt gtgtcaaaca ttgctatact  
180taagctggga atgttagaga aaactccctg acagcctgtg atccattttt cacagctttc  
240tgtactagac accctaatag atatgtgctg gcttgaagga ctctcaaaat ggacaagcca  
300aatcacacct tctaataatga acccagtcct ttcaacctct ccatccaaaa aggcttgact

360gaaaaatata ttaagttctt ggactttctgg gactag

396

<210> 3165<211> 408<212> DNA<213> Homo sapien

ggcacgaggt gatccaccac ctcgccctcc caaagtgttg agatgacagg cacgagccac  
60caggcccagc ctgagtggta ttttcttttag ggaccaggta gactttaaaa cgagggttaag  
120agaaaagcca gtgtctttct gaggtaaata atttctgcca ggaaacttcc cagccccacc  
180agcagccacc ctaaaaaaaa tcaactcgtgt cccagggac ttctaaagct tggggctcca  
240ggaaatcatc cagtagagtt ggagattcag agatttcttg aagccaggga catgctccta  
300actcctttcc cattaaaggt gttagaatag accagaggtt gtcccttttc cacagtaatg  
360ggatcggctg gtgtgccttc agggaggaag agggaggtgg tcaagctt

408

<210> 3166<211> 457<212> DNA<213> Homo sapien

tgtaggatcc catcgactcg aattccgttg ctgtcgacct gcttctgggt cgggtgttttg  
60tacgtagcac agcaactccc tctgtcgat ctattgaaag tcagccctcg acacaaggtt  
120ttgtccgaca gcaacgggtg aataatatat accatgctta cgctagtcaa gagaaagcta  
180gagtagaaat actaatatca ggcaaagcat atttcagagt taaacacaac atttttccac  
240tatttgcagt caaaagtatc gagaacactc tctttactct gctcaaagtt acagagttct  
300tttgtataaa cattagaaca cttatcacag cctgccaata atggagaata attccatgtt  
360gtatactata caacactctt actaaagtcc attagacaga aatatgtagc atttgagaca  
420ccttccaatt ataaaactct atgcagacaa aaattaa

457

<210> 3167<211> 397<212> DNA<213> Homo sapien

gctgctcttg acctctgtc tgcggctgtt ttccattgga gtagaggctc ctctgtcct  
60gtcctgcctg tggagggaag caaaccttcc cctggaccag agagaggaga aagcggagac  
120aggttagcaac gctgtggact ggtgatgaca ggctcttcag ctccctgcaa gtgaccgggc  
180ctggggaaca gggcatggca caggcacaca ggacccccca gccaggggtt gcccccagcc  
240agccccgtgt gttcaagctg gttctcctgg gaagtggctc cgtgggtaag tccagcttgg  
300ctcttcggta cgtgaagaac gacttcaaga gtatcctgcc tacgggtggc tgtgcgttct  
360tcacaaaggt ggtggatgtg ggtgccacct ctctgag

397

<210> 3168<211> 334<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggttg gcttgacatg atatttatta tgttatgata  
60tattcctttt atacttaatt tgttgagagt tgctttttta ttatgaaagg ttatgaactt  
120gtttttattat tagttttgtc aaaggctctt tctacatcta ttcaactgat catatgattt  
180tatctttcat tttgttaatg tgctatatca tttttataaa ttgcatatg ttgaaacagt  
240cttgcataac agagataaat cccafttgat catgngtat gatcctttta atgtgctgtt  
300aaattcagct tgataatatt ttgttaacaa tttg

334

<210> 3169<211> 387<212> DNA<213> Homo sapien

ggcacgaggt gccgtctccc aggagcagct gcgcaaaactg caggaacggg tggaaacgtg  
60tgccaaggag gccgagaaga caaaagctca gtatgagcag acgctggcag agctgcatcg  
120ctacactcca cgctacatgg aggacatgga acaggccttt gagacctgcc aggcgccga  
180gcgccagcgg ctctttttct tcaaggatat gctgctcacc ttacaccagc acctggacct  
240ttccagcagt gagaagttcc atgaactcca ccgtgacttg caccagggca ttgaggcagc  
300cagtgcagaa aaggatctgc gctggtggcg cagcaccac gggccaggca tggccatgaa  
360ctggccacag ttcgaggagt ggtcctn

387

<210> 3170<211> 408<212> DNA<213> Homo sapien

ggcacgaggt ttgcttagct gtcaacaaaa agaaaacctg aaggagcatt tggaaagtcaa  
60tttgagggtt ttttttttgt tttttttttt tgggaggggg gaacggcccc caaaaggggg  
120ggggggggcaa aattttttaag aaaaaagaac cttcccgtt ttttttttaa gccacaagg  
180ggctgggttt ttccaccgg cggtttta tttaaaaaaa tttaaaaaaa caaaacaaag  
240gggggttttt ctaatttggg gaggaacccc ccttgggtcc aaaagaaaaa ggcgttaaaa  
300aagaattcca aaaggaaaac cttggggggg gcccacagg ccccggtccc aataaacttt  
360tttctgggga acgggagggg gagaacctcc ccccccttcc caaggcgc

408

<210> 3171<211> 405<212> DNA<213> Homo sapien  
attcgaattc cgttgctgtc gggtgttttg tttgttttt agagacaggg tcttgctctg  
60tcacccagac tggagtacaa tgacacaatc atagctcact gcagccttta actactgggc  
120tcaagacatc ctctgcttc agcctccaga gagttgggac cataggtgca caccaccaca  
180cctagctaat ttttggggga ggtcttgcta tgttgcccag gctggtcttg aactcctggg  
240ctcatgcaat cctcctgcct tggcctccca aagcgctagg attagaggtg tgagccgctg  
300caccctgccc cagtacaatc ttttttgaac tcaaattttt gctgacatct gagtgcacac  
360accacagtgt aaattatgcc ttatcagaat ctaaataaaa atagg  
405

<210> 3172<211> 400<212> DNA<213> Homo sapien  
cgttgctgtc gacgacctgc ttctgggtct gggtttcgtc cgtagcagag cagctccctc  
60gctgcgactct attgaaagac agcctccgac acaagggttt ggacactttt aagaaacaaa  
120gatagttttc tgaacattct gtgtcctgcc tgtctcctgt tgattcgag atgtaatatc  
180gagtattcat caactggtct caatttcctg aacacattca ctgtatccct cattgtaacc  
240gttatcccc tgcttcaaaa tgtgccagtt ccacttggtg ataacgttgg gaaaatgcag  
300gtttatgaat gatgtggact tttagaggat caaatcaata aattggattt tttattttt  
360gagggcagct gccctcactt gtttaataaa agaactttac  
400

<210> 3173<211> 478<212> DNA<213> Homo sapien  
gcaggaatcc ccacgannt tcgaattccg ggcgctcgtc gagtccatta tatacantgt  
60gacgtgccag cgtgatcata acttatgagt agcagacatt ggatagcagt attcttttcg  
120tactagggtg tggacataac ccgactcta gtaatgcgat cgccttataa ctgctcctat  
180tccgcagaga atattgtaga atgcgtatca gcggttatat tgttttctca taatatagcg  
240agcaaacatt tctaggttag acaaccaacg aattgaatta caattttatg ttgaagaggc  
300attattaaca tgtgtagagg ggttaagaaa gccaccttgt taaaaatttt ttaatttcca  
360aaataatcta tattaaatga gggtttctga tctgtacttt gtgttttagct acctttttat  
420attttaaaaaa ttaaaaatga aaattacgtt cttacaagct taaagcttga tttgatct  
478

<210> 3174<211> 412<212> DNA<213> Homo sapien  
atcgattcga attccgttgc tgcggctga ttctcttcgc ctatcggtga ctgggctttc  
60cctatgttgc ccaggtgcgt ctccagactcc tgggctcaaa agatccctcat cttctcaagt  
120ggctgaatat acacgctcca gcgacctgc ctggctgaat gaagagcttt gagattttga  
180agaaacagga accatgaaat ttgctttgca actgtttgca acctttaagg aagactgaaa  
240aggcattcct gaagcatgtg ctttcagccg ctacaagagc agaagcagtg ggcattggat  
300ggagctgagt acaggacct acaggcta at tgcaccgga caggaatcgg atataacatt  
360atctgggtac ccattggccag ctgtgacttc tccatccgca cctacaccta tg  
412

<210> 3175<211> 171<212> DNA<213> Homo sapien  
taacgcattga ngcatacaca cgggctgttg actggtgggg gctgggtgtg ctgctctacg  
60agatgctggt gggtagtgcc ccgttcccag gggacacaga ggaagaggtg tttgactgca  
120tcgcaacatg gacgccccct accccggctt tctgtcgggt caagggcttg a  
171

<210> 3176<211> 384<212> DNA<213> Homo sapien  
ggcacgagct attgagtgt attcagaata ggaacaagg tctaatagaa aaagatggca  
60atttgaagta gctataaaat tagactaatc tacattgctt ttctcctgca gagtctaata  
120cctttttatgc tttgataatt agcagtttgt ctacttggtc actaggaatg aaactacatg  
180gtaatataggct taacaggtgt aatagccac ttactcctga atctttaagc atttgtgcat  
240ttgaaaaatg cttttcgcga tcttctgtct gggattacag gcatgagcca ctgtgcctga  
300cctcccatat gtaaaagtgt ctaaagggtt ttttttggtt ataaaaggaa aatttttgct  
360taagtttgaa ggataggtaa aatt  
384

<210> 3177<211> 393<212> DNA<213> Homo sapien  
cgttgctgtc ggcaagatgc tgctattgaa gaggtagaga tggaagattt tgatgcaaat  
60atcgaagaac agaaagaaga aaagaaagat gccaggaag aggaaagcga actgggttac  
120attccgaaaa gcaaatggga gatggacaca tctgaggcaa agctagacaa gttggatggc  
180ttgaggactg gtactaaaag gaaacgtgac tgggaggcca ttgccagcag aatggaggat

240tatcttcagc tccccgatga ttatgatact cgtgcttctg agcctgggaa gaagaggggtc  
300agatgggcag acctggaaga gaagaaggat gcagatagga aaagggccat aggtttttgtg  
360gtcggacaga ctgattgtga gaagatcaca gat

393

&lt;210&gt; 3178&lt;211&gt; 389&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggtttgagaa ttccaggctt ctgcagcctc caaaaggtgt tcttctctat  
60gggcctccag gctgtggtaa aacgttgatt gccaaaggcca cagccaaaga agcaggctgt  
120cgatttatta accttcagcc ttcgacactg accgataagt ggtatggaga atctcagaaa  
180ttggctgctg ctgtcttctc ccttgccata aagctacaac catccatcat ctttatagat  
240gaaatagact cttttctacg aaaccgttca agttctgacc atgaagctac agccatgatg  
300aaagctcagt ttatgagtct ctgggatgga ttggatactg atcacagctg ccaggtcata  
360gtaatgggag ctaccaatcg tcctcagga

389

&lt;210&gt; 3179&lt;211&gt; 426&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg cggaggttgc agtgagccga gatcatgcca ttgcactcca gcctgggtga  
60cagagtgaga ctctgtctca aaaaaaaaaa aaaaaaaaaa ggggttccca tattttgggg  
120ggtataggaa tatatggggg ggggtctatt tcttttttta tataaccttc cccccgggat  
180ttttggggtt aaaagttccg gttaccccca aacccaaatg ggttttttac ctttgagtt  
240tttttttttg tccccctttt tccttccaaa gggggaaagc ccccaaatac cagggtcttt  
300aggagggggg gtttagccaa acccacccca gggcaaattt ttggggggaa acctgaaagg  
360gggaaaatat ttggggccct tgccttttgt ccaaccatcc tgaaaaaac ccactttgtt  
420tttaaa

426

&lt;210&gt; 3180&lt;211&gt; 383&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgatgctgac ggcccgttgt ccccgagtc cccgacggga gcgccatggc ccagccgccg  
60cccgacgtgg agggggacga ctgtctcccc gcgtaccgac acctcttctg tccggacact  
120gctgcgggac aaagtggcct tcatcacagg agggcgctct gggattgggt tccggattgc  
180tgagattttc atgcggtgag atgctctgt gtccctccc tgctcctcgc ttctccctgc  
240ccgggcccctg ctggatgcc gaccctgga aagatgttgg tgggaggtag atgtcccctg  
300ctcacctacc cgacaggatc cagggtgctg ccagagggac tggggagcgg tcgaggattg  
360ccctggggga gtcaggactt caa

383

&lt;210&gt; 3181&lt;211&gt; 372&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggagatttgc ttattattgt tgtactgctg ccatttttat tgggttttga  
60ttattggaat ggtgcgcata ttgtactcc ttctacttgc tttaaaaagc agagttagat  
120ttttgacat taaaaaattc agtattaatt aaacattact tattctaccc tcttttttgg  
180caaggaggac aaatacgcaa tgttgaaaa ccttggatgg atatcttctc tttaaaaaaa  
240tgtaaagata atttggtctt gagggtttaa acggttgata atgcctctac aacaacaaga  
300aaaaagataa aatactagga tagaatcatg gtgggcacag tggcttctca ngaggctgag  
360gagggaggtt tg

372

&lt;210&gt; 3182&lt;211&gt; 372&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagat taacctcaga aatcctgtct ggctggcaga tttcaagtaa aaaaaaaaaa  
60aggggggggtg ggggggaccc ttttttttct agtggccttt agggaaaaaa aatttaactt  
120tttttttgggt tgggcccaca tttttaagaa aaaatctcca attggtttcc cctttgaacc  
180gggtaaaaggc taatacttgc cacttttaaa ggaggggggg aaaacccccg ggtttttttt  
240ttaaaaggaaa ccccttgttg gggggcggcc cccttaaggg gggggggggg gttttttttc  
300tgcccccttt tggggatata aggggtactt ttgcaaacct tccggggggg ttaaatggga  
360aaccactacc cg

372

&lt;210&gt; 3183&lt;211&gt; 389&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg aggatgtcct caacacccag tgtggctacc acgttcggct caaactggag  
60ctggagcagc agggcttcat ccacaccaa ggctgcgtgg gccaaactga gaagaggctg  
120caggacaacc tgaatgtggg ggcgggagtc ttcattgggca tcgccctcct ccagatcttt  
180ggcatctgcc tggcccagaa ccttgggagt gacatcaagg cagtgaagc caactggagc  
240aaatggaatg atgactatga aaaccactgt gttacgcca ccatttgcga ggtcctgtcc

300acggtggggc ctcaacagaa ctctctgact ggggcccctg gcccggaccc acccagacga  
360catgttttct ttggcctggg tggatatag

389

<210> 3184<211> 451<212> DNA<213> Homo sapien

ngacatcctt tacggccant cgntnttttn tgaggaaccc atgcgatgcg aattccggtg  
60ctgtcggaaa atcagaaaga gtttttattt tactagtgat ttacaagtat gccctggaca  
120gagtttcaaa acaagatgcc caggaactct ttaaaaatta taccatcttt gagaagaagt  
180ttggtgatag gcggggtatt gaagatatca ttgtgagcaa acgggagattc cagtacgaag  
240aagaagtga ggcgaatcca cacaattatg atgcatgggt tgattacttg cgcttggtag  
300aaagtgacgc agaagctgaa gccgtgagag aagtctatga aaggggcatt gccaatgtcc  
360caccattca ggagaagagg cactggaagc gctacattta tctttggatc aactatgcac  
420tctatgaaga attggaggca aaggatcctg a

451

<210> 3185<211> 409<212> DNA<213> Homo sapien

ggcacgagaa caaagccacc caaactgctt cttctgtcac agattcgttc ccacctgcac  
60aggagcgagc ctcaactggac gccggagccc gacacacctc tcgattactg ctatgtgcgg  
120ccaaatcaca tccaatgat caactccatg tgtcaggagt tttttggcc tggcattgac  
180ctgtctgagt gtctgcagta cccagacttc agtgatgggt ctctttataa aaaagtcac  
240attgcctttg gcttcatggc tctgtatgtg aaatacaatg aagcttacat ttcatttttg  
300ttcgtccacc ctgaatggag aagagcaggg attgcaactt tcatgatcta tcatctgatt  
360cagacctgca tgggcaagga cgtaaccctt cacgtatgac caagcaacg

409

<210> 3186<211> 396<212> DNA<213> Homo sapien

ggcacgaggt gactctaggt ataggagtgt ccaggccctg ctcaccagg ctagagctta  
60tggagccaga aggaaggagg tgcattgttg ggtgcaggac aggagggaaa aatactcgaa  
120ttgcaagggt agggcacagt ctgtttatat tgggttgaat taactcttct cccgatgcca  
180ctaaagcagg aatcacactg cagatggcac tgatttgatt ggcaagagac atgccaggaa  
240gaatattaag ggaccaggcc cctataatta ggcctaata tagcctgttg ttgaaaagg  
300gcatgagga cattcatccg gcctggcact gtgccctaga cctgctctcc tgggtagtgg  
360ggccctccat tgcaacagag gtgtgggtgg gcctgg

396

<210> 3187<211> 412<212> DNA<213> Homo sapien

ggcacgaggg aggccgctgc cgtcgcgcgc cttgggtttt ctgttccttt tttttttt  
60tttttaaaac tcttggttaa aacccccca cctttaaccc caaaaaaat taattacaac  
120cggggccctt tggcccaaaa atggccttaa cccctaaaaa tggaaaattt ttgtcctaaa  
180gaaccccccc cccgggaaaa aacggggggc cttttttttt gcaaaaagggg tttaatccgg  
240accacttgtt tttttgcaag gccggcttgc gtttgcccat tggggaattg gggggaaatt  
300gcccttgtct tgtttggaag ggggggggtt atttccttgg gaaataaagg gtggtttctt  
360tttttataaa aaaaacttgt tggaaaacaa acctttttat attaactttg an

412

<210> 3188<211> 404<212> DNA<213> Homo sapien

ggcacgagga gagagagcgc gagagagagc gcgtgaggca gagagagaga gagagcgaga  
60tggagagaga gagcccgaga gactgtgaga gagccagaga gtttgagcgt gcgcgagcga  
120gagagagaga gagagagatg gagcgatgga ctgtgacagc ctacaggagg aaaagcacgg  
180cttacagaag gatgtttcct tcttgaggaa gcagactat tagcactctg agtcaagatg  
240agtgggaaac catctcaata aacacatttt ggataaaaaa aaaaaaaaaa aaaaccggct  
300ctcggccctt taaaactatg gggggccttt ttccttttat ccgggggggg ggaaccttt  
360gttggttggtg cccacccctt ttttaatggc cgggaaaaat agtt

404

<210> 3189<211> 334<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggac cagcaaaaga aggaggagct gctgaatgcc  
60atggtggcaa aactggggaa ccgggaggac ccactcccc aggactcctt tgaaggcgtg  
120gacgaggacg agtgggacta gcctgcgccc ccgtcacctc cacctcacct gtgctgccac  
180ttcctagtgc acacctcagc gctcatcctc aagctggaag atacctctct ggccccggca  
240catgtcacc ctgcactcct gccttcccgt gggcacttcc acatcctctg ggccctctggc  
300agttcccagg gactgttttc acctctgctg tctn



334

&lt;210&gt; 3190&lt;211&gt; 393&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagaa aaagcagagt ctgctctact ggccatcatg cgtaaagggg tgctgaagga  
60cccagagatt gccgatctat tctacaaaga tgatcctgag gaacttttta ttggtttgca  
120tgaaattgga catggaagtt ttggagcagt ttattttgct acaaatgctc acaccaatga  
180gggtggtggca attaagaaga tgcctatag tgggaagcag acccatgagt tggatgagga  
240atattgctta ggctcagcct ctgatttatt agaagtcat aaaaaaccac ttcaggaagt  
300ggagatcgct gccattactc atggagcctt gcatggacta gcctacctac attctcatgc  
360attgattcat agggatatta aagcaggaaa tat

393

&lt;210&gt; 3191&lt;211&gt; 385&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga aagctagcag attcttggt tagtattact aataggcagg attgtacaat  
60gagcaactat cagattattc ctttcagtgg ttcttatggc atctaaatta ctgaataaat  
120tattaatcca ttaatcagt aatcaaatta tgattacaat tatcaaata atgctcagca  
180ttaattgaaa actgttttgt gaaacatgtc taccagaaa agtagcattc tataaatact  
240attaacaac ttagctatat ttttttaag tattaaatta tatgtcaagc agctaaagt  
300aatttcagag taaaagtaag gcatgtttct gagcaacatt gataatttct taatttgcaa  
360atttcttctt attttggtac ttgga

385

&lt;210&gt; 3192&lt;211&gt; 397&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggcggcctc actgctatgg gccgcaaca gaagaagaag cgagatgggtg acgaccggcg  
60gccgaggctc gttcttagct tcgacgagga gaagaggcgg gagtacctga caggcttcca  
120caagcggaag gtcgagcgaa agaaggcagc cattgaggag attaagcagc ggctgaaaga  
180ggagcagagg aagcttcggg aggagcgcca ccaggaatac ttgaagatgc tggcagagag  
240agaagaggct ctggaggagg cagatgagct ggaccgggtg gtgacagcaa agacggagtc  
300ggtgcagtat gaccaccca accacacagt caccgtgacc accatcagtg acctggacct  
360ctcggggggc cggctgctcg ggctgacccc acctgag

397

&lt;210&gt; 3193&lt;211&gt; 395&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagac cgagctcaca ctgcagagat tctcacttg agcttgcaat gagggacagc  
60cttcatactt gcctgactct ttaatacaca cgggagcact cacaccggac atactccctc  
120tgcatgttgg gcacgcgcaa aaccattcat tagtgtttct tttctctcga ccacatgaaa  
180cgatgcacac agaacataag ccgtatgaat gtaacgttta tgggaaaaca ttcagtttgc  
240ccagtttatt tcatagacat gaaaggactc aactggagg aaaaacctat gaatgcgggc  
300agtgtggcag atccttcaac tgttgagct gcttctgata tcatgggtggg actcacactg  
360gagagaaaacc ctatgaatgc aagcaatgtg gaaan

395

&lt;210&gt; 3194&lt;211&gt; 352&lt;212&gt; DNA&lt;213&gt; Homo sapien

tactgctgcg agaagacgac agaagggtac ggctgcgata agacgacaga aggggcgggtt  
60ctatgctcac agtgtaaaca aaacaggga gcttgaactt ggtagagccc actgcagctc  
120agcaaggcct actgcctcta tagattccac ctctgggggc aaggcatatc tgaacaaaag  
180gtagcagaca gcttctccag acttaaatgt cctgcctga aagctctgaa gagagcagtg  
240gttctccag cacagagttc aagctccaag agtggacaga ctgcctcctc aaatgggtcg  
300ctgacccccg tgtaacctga ctgggagaca cctcccagta ggggtgaca gg

352

&lt;210&gt; 3195&lt;211&gt; 394&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg aggatgtcct caacacccat tgtggctacg acgtccggct caaactggag  
60ctggagcagc agggcttcat ccacacaaa ggctgcgtgg gccagtttga gaagtggctg  
120caggacaacc tgatttggtt ggcgggagtc ttcattggga tcgcctcctc ccagatcttt  
180ggcatctgcc tggcccagaa cctcgtgagt gacatcaagg cagtgaagc caactggagc  
240atatggaatg atgactttga aaacctggt cttacgcca ccatttccga ggtcctgtcc  
300acggcggggc ctcagcaaaa ctctctgact gggggccctg gcccgcccc acccagccga  
360catgttttct ttggcctggg ttggtttatac cctg

394

&lt;210&gt; 3196&lt;211&gt; 374&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga gagagatatt gaacaaaatt ttcgcagcat agcggctcgc tatggaacac

60atgtaggaac tctgaagttg gaatagattc gactgcatta aatggtggcg agagactctc  
120tttgatacat taataaaact gcttgcataa gcagttctat ggaagacact ggtgtaatta  
180tgggccggcg acttgtaacc gttttaatgg tacatattct tgatcttcca ctttttctt  
240tggttctttt ttctttttt aggaaaaaca aaacaacaca cttcttctt atgttttctc  
300aagattcaag tgaacacatt tacacatatt aattccttaa agaaccctaa acgtttctc  
360cctacaaaac caat

374

&lt;210&gt; 3197&lt;211&gt; 401&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc gagaattcgg aagaagccgg gaccaagcc cggatggaag aagaagcttc  
60gttgtagag ggaggagctt cccaccatct acaagtgtcc ttaccagggc tgcacggccg  
120tgtaccgagg cgtgacggc atgaagaagc acatcaagga gcaccacgag gaggtccggg  
180agcggccctg cccccacct ggctgcaaca aggttttcat gatcgaccgc tacctgcagc  
240gccacgtgaa gctcatccac acagaggtgc ggaactatat ctgtgacgaa tgtggacaaa  
300ccttcaagca gcggaagcac cttctcgtcc accaaatgcg acattcggga gccaaagcct  
360tgcatgtga ggtctgtggg ttccagtgc ggcagcgggc a

401

&lt;210&gt; 3198&lt;211&gt; 392&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggatt tgaggataga atccgaggca ttgatcat  
60taaattgatg gagcgctacc ttaaggataa gaccgtgatg ataactgtag caatcagccc  
120caaatacaaa caggacgtgg aaggcgctga gtcgancctg gacgaggatg agcatggctt  
180acatactaag tacattcatc gaatgatgca gattgagttc ataaaacaag gaagcatgaa  
240tttcagattc atccctgtgc ttttcccaaa tgctaagaag gagcatgtgc ccacctggct  
300tcagaacact catgtctaca gctggcccaa gaataaaaaa aacatcctgc tgcggctgct  
360gagagaggaa gagtatgtgg ctctccacg gg

392

&lt;210&gt; 3199&lt;211&gt; 134&lt;212&gt; DNA&lt;213&gt; Homo sapien

nncnnnnnnn cctnnccacc caccctgaa aaagcacanc aaaacccac gctgctggcg  
60gagctgcggc tgctgaggca aaggaaggat gaactggagc agaggatgtc gggcctgcaa  
120aagagcaggc gggc

134

&lt;210&gt; 3200&lt;211&gt; 393&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagcc ggaacacgct gtcttcgcg ttccttcggg tggacatcga cgaatttgac  
60gagaacaaat ttgtggacga gcaggaggag gcggcggcgg cggcggcgga gccaggcccg  
120gacccgagcg aggtggacgg gtccttcgcg caaggggaca tgcttcgggc attccatgca  
180gccttgcgga actctcccg caacaccaag aatcaagctg tgaaggagcg agcccagggc  
240gtggtgctga aagtgtcac aaacttaag agcagtgaga ttgagcaggc tgtgcagtca  
300ctggacagaa acggcggtga cttgttaatg aagtacattt ataaaggctt tgagaagccc  
360acagaaaata gcagcgcagt gttactccag tgg

393

&lt;210&gt; 3201&lt;211&gt; 452&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc ggatgttcac caatgtcagc aagaactcaa cctgaattta aaggtggcat  
60tccatatact aacatcccc aggtcctctc aagtacttct gctgaaacaa atttatttgg  
120ctaggcacta agttgttttc cagtgaatag taactaaaga agccctacc ttgtccatg  
180gattaattcc ttctgttcat tttccactg cactaattgt gcatattact ctgcctaate  
240tttgtcatgt ttccattgat ttccctctcc cggttttgc ttctcttgaa actgttgccc  
300agtcacttct gctccaatc tcttctctc taaatagtag nttattactg ccacatctcc  
360atgcacagc aaaatgggtg tgacatttt ctgcctggc agaacagatt acttaaagct  
420atntcatttt caagcagact tgatgtgact tt

452

&lt;210&gt; 3202&lt;211&gt; 403&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt cttttttggg cgatgagtat caatacaaat ggattttgtg agtgactcat  
60gaagtgaaga atgcaccaga gtggatcaca agatggaatt tagccaaccc tagccttgct  
120tgtaaaaatt tttttttttt ttttaaaaat aactgcccgg gtactgactt tgctggcttg  
180gaacatctct tttttttttt ttttttctg actaaggctt ttgatgatc tgaattagaa  
240agacaaggca tatcttgct gaagctttta tttttttaa aaagcctgtc ttcgggactg  
300aaacacccaaa tccgcaacat catccaagag tacggcctgg actaccgctt ggatcctctg

360gtccagcttt tctgctcaaa cgagatctcc agaatatggg ctg

403

<210> 3203<211> 404<212> DNA<213> Homo sapien

ggcacgagca tgggttcctt cccctcagat tcttttgagc caaagaggaa acttccagct  
60gggtgcttgcg tgtcttctgt gtgctgaat tatgaatctt ttgaagttgg cgccggacag  
120gattcttggtg cttacaactc attagattct gaccacaga tattctttgc cttgggtct  
180tcaattgcta tgtttctcac tattcgagga gttgattgga tagatgagaa ttacagcctt  
240cctacctgta aagggttctt cactatttat catccgcttg atccagtggc atatagatta  
300gaacctatga ttgttccaga ttggacctta taagctggtc tcattccaca tcacaaaggc  
360agaaaaagac ttcatttaga attgaaagag agtctctctc gtat

404

<210> 3204<211> 378<212> DNA<213> Homo sapien

cgttgctgtc gcattgatga tcattgctga gatccacact ataattaggg gccgcagaac  
60agggtgtttt ctaattctgc tatccctttg gcatttgta gttggaattc ttctataaaa  
120acataggccg ggtacagtgg ctacgcttg taatcctagc actttcggag gccaaaggcag  
180gcagatcacg aggtcaagag atggagacta tcctggccaa catggttaaa ccccttctct  
240actaaaagta caaaaattag ccaggcatgg tggcacacgc ctgtagtccc agctaccag  
300gaagctgagg caggagaatc gcttgaacc aggagacaga ggctgcagtg agccaagatc  
360acgccactgc actccagc

378

<210> 3205<211> 419<212> DNA<213> Homo sapien

ggcacgaggt ttaaggagaa gcctgaggcc ccgactgagc agctggatgt cgcgtgcggc  
60caggaaaaact tgccggtggg cgcgtggccc ccgggggccc cgccggcgcc cttccagaaa  
120agtcgaacat cagttgtgga aatgagaagg aaccacagcat gtgtggctca gccccttctg  
180tgttcccctc ctgcaagcga ttgaccttg agactatgaa aatgatgta gacaaaaagc  
240aaattcagac aattttctta ttcgagttca aaatgggtcg taaagcagca gaaacaactc  
300gcaacatcaa caatgcattt ggcccaggaa ctgctaacga acgtacagtg cagtgggtgtg  
360tcaagaagtt ttgcaaagga gatgagagcc ttgaagatga ggagcgtagt ggccggcca

419

<210> 3206<211> 409<212> DNA<213> Homo sapien

ggcacgagag atggagagag cgttccagac agctctgtgg ttgctgcagc cggaagtcgt  
60cttcatcctg ggggatatct ttgatgaagg gaagtggagc acccctgagg cctgggcgga  
120tgatgtggag cggtttcaga aaatgttcag acacccaagt catgtacagc tgaaggtagt  
180tgctggaaac catgacattg gttccatta tgagatgaac acatacaaag tagaacgctt  
240tgagaaagtg ttcagctctg aaagactgtt ttcttgaaa ggcattaact ttgtgatggt  
300caacagcgtg gcgctgaacg gggatggctg tggcatctgc tctgaaacag aagcagagct  
360cattgaagtt tctcacagac tgaactgctc ccgagagctg ctgtggtgg

409

<210> 3207<211> 390<212> DNA<213> Homo sapien

ggcgcgacgt ctgctctgac acttttgatt tggaggaata tgacgacggc gagaagcccc  
60tccatgttta ctactgttg tgcggtcaga tggctcctagc gctggactgt cagttataga  
120aattgcccac gaggccccg gaccggctcc gtgtgattga tgctgcaaaa catgcccata  
180agttttgtaa cacataagat gaggagacta tgtatctgtg gagacctgaa cgcattgaac  
240gacagtacag gaagaaatgt gcaacgtgtg gactgccgct cttctaccaa tcccagccaa  
300agaatgctcc tgttaccttc attgaggatg gagcagtaat caagtttggc caccgttttg  
360ggaaaacgaa catatatact cagaaacaaa

390

<210> 3208<211> 350<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggagac aaaaagaaga aagataagaa gaaaaagaaa  
60ggagaaaaagg aagaaaaaga gaaagagaag aaaaagagg acctagcaaa gccactgtta  
120aagctatgca agaagctctg gctaagctta aagaggaaga agaaagacag aagagagaag  
180aggaagaacg tataaaacgg cttgaagaat tagaagccaa gcgtaaagaa gaggaacgat  
240tggaaacaaga aaaaagaga aaggaaaagg cccaaggaaa aagaaagaaa agaacgcttg  
300aaaaaaaagaa gggaaacttt taactaaatc ccagagagaa gccagagcca

350

<210> 3209<211> 341<212> DNA<213> Homo sapien

tactgctgcg agaagacgac agaagggaca atacaatgga aaaatgcata gaaaaacagg  
60aaagattttg tcaactaaaa aaacaaagta tgttgcttca acagcaactg gatgatgctc  
120gcaacaaagc tgacaatcaa gaaaaagcaa tacttaatat tcaagccaga tgtgatgcta  
180gagtacaaaa ctttcaagct gagtgacagaa agcaccgtct ttactagaa gaagacaata  
240aaatgttggc caatgaactg aatcattcga aagaaaaaga atgccaatat gaaaaagaga  
300aagcagaaag agaagtagct gtgagacagc ttcaacaaaa n

341

&lt;210&gt; 3210&lt;211&gt; 380&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg aaggattaga agatattgac gaagaagggg atgaggatga aggtgaagaa  
60gatgaagatg atgatgaagg ggaggaagga gaggaggatg aaggagaaga tgactaaata  
120gaacactgat ggattccaac ctcccttttt tttaattttc tccagtcctt gggagcaagt  
180tgacagtcttt ttttttttat tttttttccc ccctggggcc taaagccctt ggtttagggg  
240gctttttttt ttaaccccg ggtccacaat gattggggg gaaaaccctt gggccaaata  
300acgggggaaa agaggttcta cccctttttg gtcaaaaggct tatttaatcc ctttcggggg  
360ggaccaaagc gtgggggaaa

380

&lt;210&gt; 3211&lt;211&gt; 406&lt;212&gt; DNA&lt;213&gt; Homo sapien

atcggcacga gagcacagat cccaaacctt actgcaaact ttccatcata ctacaagaaa  
60actgaactgt gggttctcta taagtggcat ttggggcttt ccctcttttt tgtaaagcaa  
120tgtctgccta gtttattgtc cagttaactt tagtgacctt taaaagtgtg gcattgtaaa  
180taaaacaact tgcaaaaaaa aaaaaaaaaa attgggtttt gacctttaa aatttagggg  
240gggcgttttc ttaactcca accttaaaaa aacccttga ggggttgggc ccccccaat  
300ttaaaggggg ggaaaaaatg ggtttttttg ggaaaattgg ggggcttttg gtttttttg  
360gacccttaaa aaccggcaaa acaaagttaa caacacccat ttgttt

406

&lt;210&gt; 3212&lt;211&gt; 391&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagag gaaaggcaat tgctctcagc atgaccgggc cttggagcgg ttctatgaac  
60aggttggtcca ggctatccag cgccacatac actttgatgt tgtaaagtgc atcctgggtg  
120ccagcccagg atttgtgagg gagcagttct ggcactacat gtttcaaca gcagtgaaga  
180ccgacaacaa actgctcctg gaaaaccggt ccaaatttct tcaggtacat gcctcctccg  
240gacacaagta ctccctgaaa gaggcctttt gtgacctac tgtggctagc cgctttcag  
300acactaaagc tgctggggaa gtcaaagcct tggatgactt ctataaaatg ttacagcatg  
360aaccggatcg agctttctat ggactcaagc n

391

&lt;210&gt; 3213&lt;211&gt; 388&lt;212&gt; DNA&lt;213&gt; Homo sapien

ccagtgcagg aattgttctg ccagttattt gtataggaac aaaagattgt taagagttac  
60ctgggagagg agagatacac agttagggat actatggcat tgagtgttta ctgtgagcaa  
120tgtctcacat tcttggttct ttcaaagaac tttttttata acttggctctg tttatttcta  
180ggtgactcca ttggcctta cgctaaactt cctcacattc ttacggggcg tgggtgactt  
240tatgcacctg gatcccaaga aagctggaac atatttctca aatcaggcag taagaaatgt  
300tgagcctata ttttcttgat tccagttgtg gtccatttgc tgtccagtat cacagctagc  
360tacagggagg tcctaggact gcatgcan

388

&lt;210&gt; 3214&lt;211&gt; 340&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggat gggaagggtg ggaacagggg atgctgggtg  
60cataaccaga ggagaagctg aggagccctt ctactcgtt acatccttcc ctttacagcg  
120gctggatctc tgctctggtg gtgccgaagg gcaacacagc agtatacgcg ctcatgctgc  
180tgggccgccc gctcttcact ggcattgctg tgctaggaat tgtcatgctg aaacgggtga  
240gggctgtgtc gaaggtgggg ccgggatggt gagatcatgg gtccccaggg gcgtgggtg  
300aacattcagg agcaactggc acaggtcagg ctgctgggtt

340

&lt;210&gt; 3215&lt;211&gt; 369&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggggc aaaaaacagg gctgtataga agaacagtgc  
60aaacgccgta caatcttgac aacttcaaac tcgtttcctt acgtgaagaa gaggattcct  
120attaactgtg aacagcagat taatttaaaa ccaattgatg ttgccactga tgaaataaaa  
180gataaaactg cagagctgca aaagctttgc tcctctactg acgtggacat gattcagctc

240caactttaaat tgcagggctg tgtttctgtg cagggtcaatg ctgggtccatt agcatatgca  
300agagctttct taaatgacag ccaagctagc aagtatccac ctaagaaagt gagtgaagctg  
360aaagacatg

369

&lt;210&gt; 3216&lt;211&gt; 384&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggataaagat acaccatgct gacactaacc aagtgaaggt gggagtagct  
60acattaattt cagactgaac agacttcaca gcaagaaaag ttattagggg tcaaagaaga  
120gtattacaca atgataaaga ggtcagttct ccaaaaaaac atgtctttta tgtgtatatt  
180cttaacaata agcatcaaaa tatctgagga aaaaactgat acaactgcaa ggagaaatag  
240atgaatccac tatttatagt tgaagtcttc agcactccta tcagtaatgg acagatgtag  
300caggcaaaaa atcaccaagg atatagctga agtgaacagg atcattaatc aactaaatct  
360aagtatcatt tatgtactac taca

384

&lt;210&gt; 3217&lt;211&gt; 387&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gcagatatatt caaaaaaggt catgtctttt tatctttgaa atatctattt  
60atcaaaggcg tgagccactg cgctcggctc catctgcata ctcttaccac ctccaaattg  
120gacctagcag ttccccatct ctactccttc caggaagcca ggcccacaac tcatcctggg  
180tttccctaca taccacaacc actccttgtc tctagccagt ctttgtctct caagggttgg  
240ggttcttgatt tcctcttaca gataggctca ctttatcttc caaggctcac cttatcttcc  
300aaggccaagg agaggtcaag gactggatct ggctttgccg ggtggctgaa aggacccgaa  
360ggagtaggat gcatacctga ggggtc

387

&lt;210&gt; 3218&lt;211&gt; 383&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gggcggttgc tggtcagtat acagccaaga tgctgcggaa tctgctggct  
60cttcgtcaga ttgggcagag gacgataagc actgcttccc gcaggcattt taaaaataaa  
120gttccgggaga agcaaaaaact gttccaggta ctgaagtatt ttataggaga tgttacttgt  
180aattattaga ttaccaaaag gtaagagttg ggataaacia grtatgttat aaattagatc  
240atatgacaat ataaacatta caaaaaaggt caaggacatg taccatagtg ctaatagttg  
300ttgtctcttg gggaaaagacc tgggtggagca gagcaattta cttttataag tagtttgatt  
360atgagtgatt tttgttttat tat

383

&lt;210&gt; 3219&lt;211&gt; 412&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt cacagacaaa aacttcagct caaggcattg gatgtgggtt tgtttggacc  
60tctaacacgc ccacctcata actggatgaa agattttatc ctcacagttt ctatagtaat  
120tggtgttggg ggctgctggt ttgcttatac gcagaataag acatcaaaaag aacatgttgc  
180aaaaatgatg aaagatttag agagcttaca aactgcagag caaagtctaa tggacttaca  
240agagagggctt gaaaaggcac aggaagaaaa cagaaatgtt gctgtagaaa agcaaaattt  
300agagcgcaaa atgatggatg aatcaatta tgcaaaggag gaggttgtc ggctgagaga  
360gctaaggagg ggagctgaat gtgaattgag tagacgtcag tatgcagaac ag

412

&lt;210&gt; 3220&lt;211&gt; 133&lt;212&gt; DNA&lt;213&gt; Homo sapien

antnnnnnnn cntgctgngg tggcggtcac tccctctgcc actatcccca gggaaggaaa  
60ggctccgcca tttgggaaag tggtttctac gtcactggac accggttctg agcaatagtt  
120agagaactcg ttc

133

&lt;210&gt; 3221&lt;211&gt; 170&lt;212&gt; DNA&lt;213&gt; Homo sapien

tgtcacgggg actgatcagg aagatatatt cctgcataac tcaatctgaa ccaaggattg  
60tagtttagtt ttctccttg cttcccttc tgtgtgaccg accccttggc caaaaaaac  
120caaaaggcaa aaaacaaaag cctaccctgt tctggttttt ttctcctctt

170

&lt;210&gt; 3222&lt;211&gt; 417&lt;212&gt; DNA&lt;213&gt; Homo sapien

ctcggcacga gggacagtgg aggtgttat cttttgttga aagcactgca tgttaagagg  
60gggcacagcc ctctcccaa gggaaagtgt ctttgcataa aatgtatttt ttcacttttg  
120gaggattctt tttgtataac ttcaataaag attgtaagca aagggttgagg ctttgatggg  
180ttttttctta attattgggt gaatctgcct tggagcactg cctgggtttat atattaacct  
240aaagggtttgt tctggccttc tgtactgac tggggctctg atcctaattc ctatctggct

300aacgcggagg tgatcaagtg tgggtgtagg ccctttgttt ccaatgggtgc tatattcttg  
360tttcaaacac ttcactgaac ccagctatct tgcaaacttt cagtgggtgct gccctg  
417

<210> 3223<211> 396<212> DNA<213> Homo sapien

cgttgctgtc gccaggggtg aatcacaggg agttgaaact gtccacttgt gctgagtcag  
60ttcctaggtg ggggccataa gaccagataa gccagtttac cagtctgggt gtctccagca  
120ggtccttcag tatgcagggt ctgaaaaata cctcaaacac caatcttagg ttttacaata  
180gtaatgttat ctgtaggagc aagtggggga ggttagtgat attgtggcct ctggctacat  
240gacttctgag ccataatttc taatctagtg gctaatttgt tggttttaca aacgcagtct  
300ggttcccaag caaggaggga gtttgtttca gggagagtct attaccgtct ttgtttgggt  
360ttttgcgttg ctttggtttt tgagccaagg tctcgc  
396

<210> 3224<211> 407<212> DNA<213> Homo sapien

ggcacgagtt ggggtgggtac ttgggtgagg atccctgaag gccttcaacc cgagaaaaca  
60aaccaggtt ggcgactgca acaggaactt ggagtggaga ggaaaagcat cagaaagagg  
120cagaccatcc accaggcctt tgagaaaggg tagaattctg gctggtagag caggtgagat  
180gggacattcc aaagaacagc ctgagccaag gcctcgtggt agtaagaatc tatcaagaat  
240tgaggaagaa tgggtgtggga gagggatgat gaagagagag agggcctgct ggagagcata  
300gggtctggaa caccaggtg aggtcctgat cagcttcaag gagtatgcag ggagctgggc  
360ttccagaaaa tgaacacagc agttctgcag aggacgggag gctggaa  
407

<210> 3225<211> 382<212> DNA<213> Homo sapien

cgttgctgtc ggcaggaccc tgggctgggt gccttttctt gtcaggaggc ccggagagcc  
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120aggaagggtc aggagctcca gtctctagc ttggggctg aggaggggtc tctccaggca  
180ttgttccagc accgaggtga tgtgtcacgg gccctgactg agctacagcg ccaacgccta  
240gagcccttcc gccagcgcct ctgggacagt ggccctgagc ccacccttc ctgggatggg  
300ccagacaagc agagcctggt caggcggcct ttggcagtct acgcactccc cagctggggc  
360cgggcagagc tggcactgtc ag  
382

<210> 3226<211> 427<212> DNA<213> Homo sapien

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120gtgctctgtg gcatattatg ctgggaaaga tgttgacaag ataagggaat ttcttcaaaa  
180gatttcaaaa gaacaaggcc ttgaagtct accagaacat gatccaatac gtgaccaaag  
240ttggtatgtg aacaaaaagc tccgtcaaag gctgcttgaa gaatatggag tcagaacctg  
300tactcttatt cagttccttg gtgatgctat tgttttgcca gcgggagcac ttcacaggt  
360tcagaatttt cacagctgta ttcaggtaac tgaagatttt gtgtctccag aacatcttgt  
420agagtcn  
427

<210> 3227<211> 398<212> DNA<213> Homo sapien

cccgcctgca ccaggtgaa ataaacagcc ttgttgctca caciaagcct gtttggtggg  
60ctcttcacat ggacacatga gaccttggt gccgaagacc caggtcagt agactccttc  
120aggagaccag tcccctgtcc tcacctcac tccgtgagga aatccaccta tgacctggg  
180tctcagacc aaccagccca aggaacatct caccgatttt aaatcagatc tacttggtt  
240agctgctgaa gactgatgct gactgatccc ctcaagaagcc ccagaccat caggacacc  
300aagctttggg taactcttac agtggaggga aggcaggaat gtcaggcctc tgagcacagc  
360taagctgtca tatcccctgt gacctgcacg aatacatc  
398

<210> 3228<211> 422<212> DNA<213> Homo sapien

cacacatcct ttttgcttac aaatttcta gtttgtagc attctccacc atctccccc  
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120tctaaatggt actttttcta gtgggccttc cttgattatc catccactg tgattccttt  
180tctgcccac agcctctccg acaagccttg cattctcatt catatgacct tgtttgcaa  
240gctacctgtg ctgtctctgt gtgttttaaa ctattttact gagccaccat gccagccaa  
300agatcatttt tttatataga cttcagccct ttgtaaatat tgtaactggg gagtatagag

360tacaaaaaaa gtatagttaa aacatttggt ctacaaatta acctttataa atataattac  
420tg

422

<210> 3229<211> 413<212> DNA<213> Homo sapien

ggcacgaggc agagtccatc acttcgccag gtggacatgc tgtgggtgga tgttcccggc  
60gtgtgccggg cctgaatgga caggggccac ttcacagcat gtcagggaaa atcactgtca  
120cacaattcca atggattttg tgctcttttt ttcaaaaaag agcacacaat ccattggaac  
180tgagtgtctt ttctgaaaaa taaaaaatct ttagcgtaaa cctgaatttt ttttcaatgt  
240atccccctggg gaatgaatga aattttgagc tttttcctta cgtaaaacta aatttatacc  
300actgacggag agaccctttt tgaaagaagt atggccaaaa ccactttaat gctgctgaca  
360atgctgtctt atgtccattt gtgcagccct gacctgctaa ggagcgaatc ttt

413

<210> 3230<211> 146<212> DNA<213> Homo sapien

gcatcatttc tatccaaata aagccttatt ttgacctgat ctattaaaac ctgccacacc  
60cgccctttcc tacctagatt taatgagccc aagtttttaa aatggaagaa atgactctgg  
120ggcaaagacc cctaatgaac tagggg

146

<210> 3231<211> 380<212> DNA<213> Homo sapien

ggcacgaggc taaacctggg aacatttttga atgtgggact aagagaggag ggctagattg  
60ctctacaatg ctgcagaagt ttctacctgc ctggctggga ggtaggaggg tctggtttgg  
120ggatgtggcc ctgaggagag gaccagtgtt tggcagtggc catgtattga tctcccagtt  
180cttcctgtgg caggtccac gtacctcgga gatttatgtc caccgaagtg gtcgaactgc  
240tcgagctacc aatgaaggcc tcagtctgat gctcattggg cctgaggatg tgatcaactt  
300taagaagatt tacaaaacgc tcaagaaaga tgaggatatt ccactgttcc ccgtgcagac  
360aaaatacatg gatgtggtcg

380

<210> 3232<211> 182<212> DNA<213> Homo sapien

agaacaagtg cttataggtt tgccaccatt gtgacagcag ttggcttctc caagggcctc  
60tggtatggaat gtgccacaca cagcacaggc atcacccagt gtgacatcta tagcaccctt  
120ctgggcctgc ccgcttgcat ccaggctgcc caggccatga tggtagacac cagtgcacac  
180tn

182

<210> 3233<211> 396<212> DNA<213> Homo sapien

ggcacgaggg ataaggcagc tgctgcatca tcggcactac aagccaaatc atatgagaag  
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120gcggcggaag ggggcgcact cctcgctttt cctcaatgtg tcgggcagcc ccgcctcccc  
180gctcggtttc cgggagtcgg cggcgatggc gtcacaccg agtgccgggc cgacagcagc  
240ccggaggttg gctatgtgac caggcaacat gctgagccgg cttcaggaac tgcgcaagga  
300ggaggagacg ctgctgcggt tgaaggcagc cctgcacgac cagctgaacc gcctcaaggt  
360tgaagaatta gccctccaat caatgatcag ttctan

396

<210> 3234<211> 342<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtgt agtcccagcc acttgggtgg ctgaggtggg  
60aggattgctt gagttgaggc tggaagcttg aggcggcagt aagaagtgat cacactactg  
120cactccttgc tgaatgacag agcaagaccc tgtctaaaaa aaattttttt ttaagttggc  
180tggcgtgggtg gctcacaccc ataatcctat cactttagga ggtcgaggtg gatgggtcac  
240ttgaggtcag gaattcaaga ccagactggg ccgggcgcag tggctcacgc ctgtaatcct  
300aacacttttg gaggccgagg caggcgaatc acgaggtcag gg

342

<210> 3235<211> 377<212> DNA<213> Homo sapien

ggcacgaggc caccaacacc atttgtcttt ataatggacc tcaaggccta cgaacaggtg  
60atgcactacc ccggctacgg atccccatg cctggcagga tggccatggg cccgggtcacg  
120aacaatcgg gcctggacgc ctgcgccctg gacgcagata ccttctacta ccacgggggtg  
180gactccccgg ccattatgaa ctctcttaa gaatacgacg gcttaaggac cggctaacta  
240tttcaccccg gatcgaggac aagtgaagaa gcaagagggg gtcgagactt tggggagaca  
300gtgctgcaca tacacaaggg ataataaata cataacaccc tcaaccgaac accccaata

360cagaagactt attcacc

377

<210> 3236<211> 390<212> DNA<213> Homo sapien

cggttgctgtc gctcctccc cctgaggtga gtctgggctc agcctagagc tctccggcgg  
60cggcgcagct tcagggcagc gcgggctgca gcggcggcgg cggttagggc tgtgtagggc  
120gaggcctccc cttcctcctc cgccatccta ctctccctc ctgctcatcc tcccccttcg  
180tcctcctcgc cttcctcctc ctgctcaggc tcgaccagc tgtgagcggc aagatggcgg  
240cgcccaggcc gccgcctgcc aggctgtcgg gcgtcatggg gccggcgccc atccaagacc  
300tggaggccct gcgcgcgctc acggcgctct tcaaagagca gcggaaccga gaaacagcac  
360ccaggactat cttccaaaga gttctggata

390

<210> 3237<211> 347<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggat agaaaatcag taaagaaaca tgtcacttaa  
60tctgcactat agagcaaag catctaacag atatttacag aacatttcat ccaacagctg  
120caaaatacac attctttttc tcaacacatg gatcattctc cagggtagac catatattag  
180atcacaaaac aagtctaaca acattcaata aattgaaata atatcaagca tcttctctga  
240ccacaatgga ataaaactag aaatcaataa tgaggaattt tggaaactat acaatacat  
300ggaaattaaa ctatatgctc ctgaatggcc agtgggtcaa tgaagaa

347

<210> 3238<211> 139<212> DNA<213> Homo sapien

gtctgagtca gagatctgtg cacactttct aaacagcttg tgatgcaagt gtgagcctat  
60tgtgttactt gaccttattt tggaagtttt gaattggcct aggaggaaac cctagaatga  
120accaggggta tgtcatcac

139

<210> 3239<211> 399<212> DNA<213> Homo sapien

ggcacgagga tctggcacac tcaggctcat tggcaggtac aagaagggga ataaaggggc  
60tgtgtgaagg cactgctggg agccattaga acacagatac aagagaagcc aggaggtcta  
120tgatggtgac gatttttaaa atcaggaaat aaagatctt gactctaaaa gaaaaaaaaa  
180aagaacgcgt cctagggctg gatggactaa tcaggtggaa tttctaaaat cccactttgg  
240cagaccctct tgtcttgaat ctggcttttc acaacatgga gggggagaaa aagaagcttc  
300tttctctgaa aagagggggg tttttgtttt tttagaaaac taggaggggg gggagcataa  
360tggtcaaca gaagagtttt ttctttttat gttcctgtg

399

<210> 3240<211> 387<212> DNA<213> Homo sapien

gcaagaagcc cctgacccc ttgttccaaa tatactcttt tgtctttctc tttattccca  
60cgttcgccct ttgttcagtc caatacaggg ttgtggggcc cttaacagt ccatattaat  
120tggatatcatt atttctgttg tttttgtttt tgtttttgtt tttgtttttg agacagagtc  
180tcactctgtc acccaggctg cagtctactg gtgtgatctc agctcactgc aacctctgcc  
240tcccaggttc aagcacttct cgtacctcag actcccgat agctgggatt acagacaggc  
300accaccacac ccagctaatt tttgtatttt ttgtagagac ggggtttcgc caagttgacc  
360agcccagttt caaactcctg acctcag

387

<210> 3241<211> 160<212> DNA<213> Homo sapien

ccctctagag gagcctgata tgcatttcga taaacccga tcaacctcac cacctcttgc  
60tcagcctata ttccgccatc ttcagcatac cctgatgaag gctacaaagt aagcgcaagt  
120accacgtaa agacgttagg ttcaggtgta tctatgatg

160

<210> 3242<211> 379<212> DNA<213> Homo sapien

ggcacgagat cagccagccc ctgcagaaca gtttcacca cacagggcat ggcgacagt  
60acccccgcca ctgctggggc ttcccgga ca gattgacga actgtatctg ggaaaccca  
120tggaccccc cgcctcctg agcgagaact actggtggcg tggccagAAC acacggacgc  
180tgtgtgtggg gcccttcctc cgcaacgtgg tgacctcgt ggccggcctg tcggcccagg  
240acatcagcca gccctgcca cagaggggct gccctggcga tgggccagag gcgggccggc  
300cagcagacaa gatccagatg ctgcaggcca tgggtgatgg ggtgaccaca gaggagtgc  
360aggcggccct gcagtgcc

379



<210> 3243<211> 462<212> DNA<213> Homo sapien  
gcggtgctgt cgcttcaaga gcgttctgat gccccatgac ctcatcactc agctgtggcg  
60ggggctggcc atcgagacca agcacgagaa ggcgatggcg cacgccgacc ccacggagct  
120ggcgctgagc gggctggagg ctttctcttt cgactacatc ggcaagtggc ccctttcgtc  
180catcatcaac aggtgcgggt cggctgctcg ggcacctgcc agatcttcac tcaggtttgg  
240cagaagcgag aactgtgcca cgcggtggcc acctcgtcgc acagaggacc caaggcggct  
300ctccccagcc ttcagagtcc gggagattca cgggctgtcc gggggccacg gcgcggactg  
360tggagtacag acgccgtgta cacgacgcc tgggtcacgg agggccacct gaggtgccg  
420cacgtgtctg gcaggaaagc cctcactcgc taccagatgc tg  
462

<210> 3244<211> 392<212> DNA<213> Homo sapien  
cgctgctgtc gctatctctg tgccttcttc atctcctgca caaatggagg gagctcctaa  
60gaactagtaa acgtctgagt gccagcacta tgctgaatgc tttacgtgtt tcccatttaa  
120ttatggcaaa cttggggagac aaggcaagtg ttctcacaga tgaaagacac tgatgtacaa  
180agataagtaa cttacccaac atcacagtca accaggattt gaaccagat agtccacttc  
240tcccaaaatt tcattttctc accttggttc cgatactcaa aaagacgggg atcagcatga  
300atgggaatga gccccagacg gtgagcaaga atctcatcct gaacaatgga tgtattattg  
360tacaccagga ctttctccac agccatagtt gg  
392

<210> 3245<211> 144<212> DNA<213> Homo sapien  
atatgcannt cttctccacc taggaccgcc agcagagcgg ggggatctcc ctgccccac  
60cccagttccc caaccactc cttccaaca acaaccagct ccaactgact ctggtcttgg  
120aggtgaggct tcccaaccac ggaa  
144

<210> 3246<211> 433<212> DNA<213> Homo sapien  
ggcacgagag ccttcgataa gttttccact gaatacacia tgtagtctgg ctacagaat  
60ctgcatTTTT acataaatga taggggagag gaagcaatca gatactcatt tgtctcaagt  
120gaacctcaag gtagtacttt gaatagaatg agaggcagat tccccctaag cagttccag  
180gttgactttt ccttttagct tagagatttt ggggtcccaa tatttgttt catttcacac  
240cctactttctg ccccccatg actcacaaga gtcttcacac ctggcctacg ttcaactctc  
300cacggtcttt gccagaaggc tgcacgtaca acacacacag aggcgggcat ttccctgacc  
360actcctgtgt gccgaggggg aacggtagat ggccaaccc ccagtggttc gaactttctg  
420gccaacata ttg  
433

<210> 3247<211> 232<212> DNA<213> Homo sapien  
ctcccccta cttcaccaac cacaggattc agtgtatgtc acatgctcag gcggaggtgt  
60ggaaacgtta cttccaactg ggaaactttt tgggggaaat taactggaca cctatctcgg  
120aggtttatTT tcttgaacc agtgaagtcg tctcctccc ttccctggat aactcttcag  
180tttgactgtc actgttctgg tgtcaactcc agcgtcggca caggcagaag gg  
232

<210> 3248<211> 427<212> DNA<213> Homo sapien  
ggcacgaggg cgagccaag cgcgcgatg tccgcgccc tgctgcggcg gggcctggag  
60ctgctggcgg cgtccgaggc cccccgggac cctccaggtc aggccaagcc gagaggggct  
120ccggtgaaac ggccccggaa gacgaaggca attcaggccc agaaactgcg gaactcggcc  
180aagggaagg tgcccaagtc ggcactggac gtagaccgga agcgagagtg tcgagaccac  
240ctcagagtaa acctgaagtt tctgaccagg acgagaagca ccgtggctga gtctgtgagc  
300cagcagattt tgcgccagaa ccggggccgc aaggcctgtg accggcttgg gcaaaaacca  
360aaagaagaan gctgagggca cgtggtcacc gaggaagatt ccagaaggtc agcacgaata  
420cttttgg  
427

<210> 3249<211> 401<212> DNA<213> Homo sapien  
ggcacgagct gcggcggggc ctggagctgc tggcggcgtc cgaggcccc cgggaccctc  
60caggtcaggc caagccgaga ggggtctcgg tgaaacggcc ccggaagacg aaggcaattc  
120aggcccagaa actgcggaac tcggccaagg gaaaggtgcc caagtcggca ctggacgagt  
180accggaagcg agagtgtcga gaccacctca gagtaaact gaagtttctg accgacga  
240gaagcaccgt ggctgagtct gtgagccagc agattttgcg ccagaaccgg ggccgcaagg

300cctgtgaccg gcctgtggcc aagaccaaga agaagaaggc tgagggcacc gtgttcaccg  
360aggaagactt ccagaagttc cagcaggaat acttcggcag c  
401

<210> 3250<211> 145<212> DNA<213> Homo sapien

atagcncatc catcctggag tacctcaccg cagaggtact tgaactggca ggaaatgcat  
60caaaagactt aaaggtagag cgtattaccc ctctgtatctt gcaacttgct attcgtggag  
120atgaagaatt ggattctctc atcag  
145

<210> 3251<211> 388<212> DNA<213> Homo sapien

cgttgctgtc gggacagtgg ccgcaccaga caacctgccc aactacgaga acaccgtggt  
60cttctctctg tccagcttcc agtacctcat cctggctgca gctgtgtcca agggggcgcc  
120cttccgcggg ccgctctaca ccaatgtgcc ctctctggtg gccctggcgc tctgagctc  
180cgtcctggtg ggccttgctc tggccccgg cctcctgcag gggccgctgg cgctgaggaa  
240catcactgac accggcttca agctgctgct gctgggtctg gtcacctca acttcgtggg  
300ggccttcatg ctggagagcg tgctagacca gtgcctcccc gcctgectgc gccgcctccg  
360gccaagcgg gcctccaaga agcgcttc  
388

<210> 3252<211> 380<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggaca gtaagacatc agaaagtata tgtgagatca  
60ataataattc cgaacatgga gccaaactaa ctacgcaaca agacattaga aaggacagta  
120agacatcaga aagtatatgt gagatcaata ataattccaa acatggagcc aaaaacatgt  
180ttgctatctc taaacaagga agtaatttgg tacaatcaaa gcatttgaat ccaggcagca  
240tttcagtgcg gacatctttg acaaatagct cacaataga taagccaatg aagatggaga  
300aaggggaaat gtatggaaat tctccaagat ttttaggtgc cacaatttg actatgtatt  
360ctaagatctc anactgtcag  
380

<210> 3253<211> 154<212> DNA<213> Homo sapien

aatgtttnc c aacatccang ctgtgtccct caagatccag aactcaagt ccaacaactc  
60gatggcacia gccatgaagg gtgtcaccaa ggccatgggc accatgaaca gacagctgaa  
120ggtgcccaga tccaaaagat catgatggag ttg  
154

<210> 3254<211> 460<212> DNA<213> Homo sapien

cgttgctgtc gcttcaagat cgacctgatg ccccatgacc tcatcactca gctcttgccg  
60gtcctggcca tcgagaccaa gcaggagaag gcgatggcgc acgccgaccc caccggagctg  
120gcgctgagcg gcctggaggc ctctctcttc gactacatcg tcaagtggcc cctttcgctc  
180atcatcaaca ggtgcgggtc ggctgctcgg gcacctgcca gatcttact caggtttggc  
240agaagcgaga actgtgccac gcggtggcca cctcgtccca cagaggaccc aaggcggctc  
300tccccagcct tcagtgtccg ggagattcac gggctgtccg ggggccacgg tgcggactgt  
360ggagtacaga cgccgtgtcc acgacccgc cggtcacgga ggcccacctg aggtgccgcg  
420acgtctcttg caggaaagcc ctactcgt accagatgct  
460

<210> 3255<211> 382<212> DNA<213> Homo sapien

cgttgctgtc gaacagatcc atttgctcag gagtttcaat ttaaagttcg ggatgaaatg  
60gtcatgtaa ctggacgct acttcacgca cctatgctcc agtatggagg acggaatcgg  
120acagtagcaa caccgagcca tggagtatgg gacatgcgag ggaaacaatt ccacacagga  
180gttgaaatca aaatgtggc tatcgcttgt ttgcccacac agaggcagtg cagagaagaa  
240atattgaagg gtttcacaga ccagctgcgt aagatttcta aggatgcagg gatgccatc  
300cagggccagc catgcttctg caaatatgca cagggggcag acagcgtaga gcccatgttc  
360cggcatctca agaacacata tg  
382

<210> 3256<211> 431<212> DNA<213> Homo sapien

ggcacgagat ggtgacaagg ctggagtgtc ttgggaact gcactgacac ctacttgga  
60gaattaagtg tctcaagctg tcttccctc cttaattttc ctggaatttt gctgagcatt  
120ttaccttctc attctttgta aatttctcat taaacattct aggaagagag atagctccct  
180acctctggag gttgggggta cggggatagg tagggggtct gttgggtttt tgcagataag  
240tggttatttt tcttggggca ggtgccaact atggctgtgg agaaggtcct ggtgtacaat

300aatacatcca ttgttcagga tgagattctt gctcaccgtc tggggctcat tcccattcat  
360gctgatcccc gtctttttga gtatcggaac caaggtagaga aaatgaaatt ttgggagaag  
420tgactatct g

431

&lt;210&gt; 3257&lt;211&gt; 424&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagat ggtgacaagg ctggagttgc tttgggaact gcaactgacac ctgagttgga  
60gaattaagtg tctcaagctg gccttccttc cttaattttc ctggaatttt gctgagcatt  
120ttaccttctc attctttgta aatttctcat taaacattct aggaagagag atagctccct  
180acctctggag gttgggggta cggggatagg tagggggtct gttgggtttt tgcagataag  
240tgggtatttt tccttgggca ggtgccaaact atggctgtgg agaaggctct ggtgtacaat  
300aatacatcca ttgttcagga tgagattctt gctcaccgtc tggggctcat tcccattcat  
360gctgatcccc gtctttttga gtatcggaac caaggtagaga aaatgaattt ttgtgagaag  
420tggc

424

&lt;210&gt; 3258&lt;211&gt; 399&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggttgctgtc ggattcaggc gtgtatacca gccggagcgg cgcggcagcg gcaggaccgc  
60cgtgggcgct atagtagcga cccgggggga gcgcggggcg acgctggctg cagggaccgc  
120gtgacagcgt gagaggtact aggttttgac aagcttgcat catgcgtgag tataagctag  
180tcgttcttgg ctgaggaggc gttggaaagt ctgctttgga gcaatttaca gcaatgaggg  
240atattatcat gaaaaatgga caaggatttg cattagttaa ttccatcaca gcacagtcca  
300catttatcga ttacgagac ctgagagaac agattcttcg agttaaagac actgatgatg  
360ttccactgat tcttggctgc aataagtgtg atttgtaag

399

&lt;210&gt; 3259&lt;211&gt; 344&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgct agaagacgac agaaggggtg tcagtattaa gatcactaaa gtggttctta  
60gcaaagggtg gaggtgtctt gagtgcactg tgtgtgaggc ctgtgggaag gcaactgacc  
120caggaagact cctgctgtgt gatgactgtg acataagtta tcacacctac tgcctagacc  
180ctccattgca gacagttccc aaaggaggct ggaagtgcaa atgggtgtgt ttggtgcagac  
240actgtggagc aacatctgca ggtctaagat gtgaatggca gaacaattac acacagtgcg  
300ctccttgtgc aagcttatct tctgtccag tctgctatcg aan

344

&lt;210&gt; 3260&lt;211&gt; 423&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg ggagtattcc aggaagaggc cactgcctat gtgatgacct caaggcactg  
60catagcttgg catattttga ttacataagg aaggcacagg agccttctaa tatctattcc  
120attactatgc taagcgaggt ctaataactg gaaacagttg tatgagctgc agacatgacg  
180gcaactgcgt gtacttttgt ccgcacatat atatctatgt gcctagctct tgttcctgac  
240acacatgttt ctatatacac atacacatac atgcatatac caacagattt aatattatat  
300tgcatttttc aacgatgcag aatgcagctg caattgtgtt ttaaggagaa gccacatggg  
360gatgggtgtc cctgcaacat ggtgccactc ctgggccatg tgcagcctca gtggacactc  
420ttg

423

&lt;210&gt; 3261&lt;211&gt; 382&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg agtctctatc cttttctaaa atcgcatctt gtaagaaaag aaagaaaaaa  
60aaaaaaagga atgggtcccc ccacctccg gatttaaaaa aaaccctgg aatttttaat  
120aaacattttt aacccacggg gatttttttt ttaaccgggc ctttgggatt ccaaagttaa  
180aaaggtaaaa agaaaaggct aacttttctt ttttttggg ggggggggcc cctgccaaaa  
240atgtatttac tttggctcag gggctttatt ggaggccct ggccaccct tggaaatggct  
300gcccacagta aaactttccc agaaaaattt cgtaacgggc ccagccctt tcataacccc  
360gggtttttttt gaccttgaaa aa

382

&lt;210&gt; 3262&lt;211&gt; 381&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggttgctgtc ggcgaccgc cggggatgct ggggtgtcaa cgcgctgcca cctggggccc  
60aacgcgttga cctgcgggtc aggttgcttc cgcggactac ggatctggct cgtagctct  
120ggaagggagc accgggaggg aatggtggca actcccaagg aggggaccca gggatccgag  
180aaaggaagac ttgggactgt ggtacagacc tccatgagcc ggtcccagg agccctgctg  
240ggcctgagtc tgctgctcat gtcctactg tatgtggggc tgccaggccc ccctgagcag

300acttcctgccc tctggggaga .ccccaatgtc acagacctgg ctggactcac ccttggcgac  
360tcgcccattct tttaccgcga n

381

<210> 3263<211> 336<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggaat gatgatgaac cacatacttc taaaagagat  
60gaagttgatc gagctgtgat attgtttaaa ccaatggtat cagagccaat tcatatacac  
120aggaagtctc cacttccaag atctaggaag acggctacaa atgatgttgt atctgaaaat  
180gctaattacc tgagaacacc aagaactctt gtggaacaga agcagaatcc tactgtaggc  
240tttgaattgt attccatggt gccatctatt tgtcctctag aaactcttca taatgcctta  
300tcttttaaagc aagtggatga atttcttgc tccatt

336

<210> 3264<211> 455<212> DNA<213> Homo sapien

tgcaggatcc cagcgactcg aattccgttg ctgtcgaggg gctcccagtc ctttcttctg  
60ggaggccaag gcggcttcgc gttctgagaa tagacagaac ctctgttact ctgtgaccgg  
120caggcaccgg gagatccgta gctcagacgc caggacatcc cggaagctgg gaaatggtga  
180atgtgccagg gactgttgac attcagggat gtggccatag aattctctcg gggggagtgg  
240gaacacctgg actcacatca aaagctttta tatggggatg tgatgttaga gaactacgga  
300aacctggtct ctctgggtct cgctgtctct aagccggacc tgatcacctt tttggagcaa  
360aggaaagagc cctggaatgt gaagagtga gagacagtag ccatccagcc agctcctgaa  
420gagcaccatt ctgcctaatt tttctatgag ttgg

455

<210> 3265<211> 165<212> DNA<213> Homo sapien

tgttgcagga tgcacagcag gaggatttcg gaatcttcca ggctggggc gagggcactg  
60gtgcatatgt tccggggagg gataagccag acctgccaac ctggaagagg aatttccgct  
120ctgccctcaa ccgcaaagaa gggttgcgtt tagcaaagga ccggt

165

<210> 3266<211> 148<212> DNA<213> Homo sapien

aggcacgctt tcaggttttt attatggcag cactaacag gccagatata attgacctg  
60caatcctgcg cccggggcgc ctggacaaaa cactgtttgt gggtttaccg cccctgcag  
120atcgcttgc catcttaaaa actatcan

148

<210> 3267<211> 386<212> DNA<213> Homo sapien

cgttgctgtc gggccacct gaagacctat ggaacacatc gagactgtcc ttcagctctt  
60ccggcttggc aacatcaatg ccaaagccag ccaggcagga cagacggccc tgatgctggc  
120cgtcagccac gggcgggtgg acgttgtcaa agccctgctg gctgtgagg cagatgtcaa  
180cgtgcaagat gatgacggct ccacggccct catgtgcgcc tgtgagcac gccacaagga  
240gatcgcgggg ctgctgctgg ccgtgcccag ctgtgacatc tcactcacag atcgcatgg  
300gagcacagct ctgatggtgg ccttggaacgc agggcagagt gagattgcgt ccatgctgta  
360ttcccgcatg aacatcaagt gctcgt

386

<210> 3268<211> 424<212> DNA<213> Homo sapien

ggcacgaggc agaccctcca cctcctgtt tacatcccag agtccgggca gaatcagctg  
60ttacagcccc ttaagccatc tccctccagt gacaacctct attcagcctt caccagtgat  
120ggtgccattt cagtaccaag cttttctgct ccagggtcaag gaaccagcag cacaacact  
180gttggggcaa cagtgaacag ccaagccgcc caagctcagc ctctgccat gacgtccagc  
240aggaagggca cattcacaga tgacttgac aagttggtag acaattgggc ccgagatgcc  
300atgaatctct caggcaggag aggaagcaaa gggcacatga attatgaggg ccttggaatg  
360gcaaggaagt tctctgcacc tgggcaactg tgcattctca tgacctcgaa cctgggtggc  
420tctg

424

<210> 3269<211> 410<212> DNA<213> Homo sapien

cgttgctgtc gcacagatgc ccgcttacca ggagctgggtg gaggaggcga ttgcctatgg  
60ccgggaagctg ggcggtcac aagaggacca gattaaaaat gctattgata aactttttgt  
120gttgttttga gcagaaatac taaagaagat tccggggcca gtatccacag aagtagacgc  
180aaggctctcc tttgataaag atgcgatggt ggccagagcc aggcggctca tcgagctcta  
240caaggaagct gggatcagca aggaccgaat tcttataaag ctgtcatcaa cctgggaagg

300aattcaggct ggaaaggagc tcgaggagca gcacggcatc cactgcaaca tgacgttact  
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410

<210> 3270<211> 389<212> DNA<213> Homo sapien

cgttgctgtc ggagaacctt gttataatgg gactgctcag cctaaatggt caggtgacaa  
60ggcctgtgaa acccactggt ggccctggag gagggggcgc acaaacacag cctcagaaga  
120gccagctgat taacaccaac acaatcgcta atggcactca gcagcacgca cagagtatga  
180ccaccactat taagtatgtg gtagagtaaa ttatgtatta tacacttgcg gggaaccaag  
240atatgggata ctttggagtt gactattaat acttatgcct taagttaacc attttgattg  
300caaatagagg acagatgact ttgttttatg gccagtatgt atttgcaata caataatata  
360tatctgccat aatttgtgca gcatgtagg

389

<210> 3271<211> 374<212> DNA<213> Homo sapien

cgttgctgtc ggggcctccg gggaagcgtc cccgctagggt gtgggggtctt gggactccct  
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120ctgccggatc tggcgccctac gaggacgtgg cgggtggagc tcagaccggt gggctaggtt  
180tcaacctgcg cattgggagg ccgaagggtc cccgggaccc gcctgctgag tggaccggg  
240tgtctctgga cctctgactg acactgtgcc tgcccagggt cctgtatgca ctgccacagt  
300gccctgggccc ccatgtccac ccctgtcctg cccttctctg ggatagggtt ggccttccctc  
360tgccctctgcc tggg

374

<210> 3272<211> 381<212> DNA<213> Homo sapien

cgttgctgtc ggggcctccg gggaagcgtc cccgctagggt gtgggggtctt gggactccct  
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120ctgccggatc tggcgccctac gaggacgtgg cgggtggagc tcagaccggt gggctaggtt  
180tcaacctgcg cattgggagg ccgaagggtc cccgggaccc gcctgctgag tggaccggg  
240tgtctctgga cctctgactg acactgtgcc tgcccagggt cctgtatgca ctgccacagt  
300gccctgggccc ccatgtccac ccctgtcctg cccttctctg ggatagggtt ggccttccctc  
360tgccctctgcc tggctgcata n

381

<210> 3273<211> 290<212> DNA<213> Homo sapien

agcgagggtca gaggccatga gggaaaggca gactcgggag gagagtggag tacttccaca  
60tctgggcggc tgtgggggga acaactgtgt gtgtgcttta catccatccc ctgaaccttc  
120agagctgact atcccagcct cggctaattgt attctacgcc atggatggag ctccacacga  
180tttccctcctg cggcagcggc gaaggctcct tactgctaca cctggcgta ccagtggccc  
240gtctgcctca ggaactcctc cgagtgaagg aggagggggc tcctttccct

290

<210> 3274<211> 382<212> DNA<213> Homo sapien

ggcacgagct cgaatctcca gaaaagcagc taactactaa tgagatctat aactggttca  
60cacgaatgtt tgcttacttc cgacgcaacg cggccacgtg gaagaatgca gtgcgtcata  
120atcttagtct tcacaagtgt tttgtgcgag tagaaaacgt taaaggggca gtatggacag  
180tggatgaagt agaattccaa aaacgaaggc cacaaaagat cagtggtaac ctttccctta  
240ttaaaaaacat gcagagcagc cagcctact gcacacctct caatgcagct ttacaggctt  
300caatggctga gaatagtata cctctataca ctaccgcttc catgggaaat cccactctgg  
360gcaacttagc cagcgcaata cg

382

<210> 3275<211> 403<212> DNA<213> Homo sapien

ggcacgagggt acaagagaga agagagactg aaacagggag aagaggcagg agagggggag  
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120agagagggga gaagaggcag gagctggaaa ggagagaggg aggaggagga ggagatgcgt  
180gatggagacc tggagttagg tggcttggga gagcttaatg aatagagaac ggagaggagg  
240tgtgggttag gaaccaagag gtagccctgg tggcagcaga aggctgagag gtagtaggaag  
300atcaggagct agagggagac tggatggttc cgggaaatga gcagaggaaa gaggaaagac  
360acagagagac ggagagagaga agaatagtgg ttttgtatgg cgg

403

<210> 3276<211> 405<212> DNA<213> Homo sapien

ggcacgagga ggaacaagaa gcacctctac agggagctcc cagttgaggt gcgacaggca  
60ctcggccaag tccctgatgg ctctgtccag tacttcacaa accgcttccc acggctgctg  
120ctccacacgc accgagccat gaggagctgc gcctctgaga gcctcttctt gccctactac  
180ccgccagact cagaggccag gaggccatgc cctggggcca caggagagtg aggtgggctg  
240gatgccacac agatgggtctc cgtgctggct cactgaagag ctgagcctga ggctggcctc  
300acaatcaagc tgggtgcagt ggctcacacc tgtaatcca gcattttggg aggtgagtg  
360agaggatcac ttgagctcag gagtctgaga ccagcctggc caact  
405

<210> 3277<211> 377<212> DNA<213> Homo sapien  
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60ccaccacgcc tggctaattt ttgtatttt tagtagagac gggattttat catgttggcc  
120aggctggctt cgaactcctg acctcaggtg atctgccac cttggcctcc caaagtgctg  
180ggattacagg catgagccac tgtgcctggc cccttctgt aaaattttta aatggagaat  
240tgggtgcgag atgtggtttc cagcctgggtg cctgggggtg tgagctagt agtgggtgcg  
300tccaggacac ctttgcttta tgtcattac acggtcacct ggagccggct caagtggcta  
360aagcatcctg gggccca  
377

<210> 3278<211> 384<212> DNA<213> Homo sapien  
ggcacgagga gagagagaga gaataagatt tttgaatcat tttgtctgct aaataagaca  
60tataagaact ctgaaggtgg aatagatttg actgtattaa atgttggcga gagactctct  
120ttgatacatt aaaaaaactg tttgcagaag cagttctatg gaagagactg gaataattat  
180ggccgtgtaa cgtgtaccgc ttttaatggg aaatattctt gatcttcaac attgttcttt  
240ggttcttttt tcttttttta ggaaaaacaa aacaacagac ttcattctta gggtttctca  
300agatttaagc gaacacattt acacatatca atttcttaaa gaacacagaa tgtttctctc  
360ctagcttaac tatttaagag ccag  
384

<210> 3279<211> 181<212> DNA<213> Homo sapien  
aaccnncnn nctgcctcac ctctctgggc cagtttcccc atagtacagt ggtgctgac  
60accctggccc tggccccgag gtggctggga ggtggctct caaacgccg ctgtctcatc  
120gaggcccggt gatgcacag ggatcgactg aggtctgag ctaactggga aacacagtgg  
180c  
181

<210> 3280<211> 152<212> DNA<213> Homo sapien  
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60aacaaggtaa tgattttagg atctagagtt tgtgaatgcg tgctctagaa naacattcc  
120tgtgcacatt gatagagctt ggagttgagg ct  
152

<210> 3281<211> 189<212> DNA<213> Homo sapien  
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60tttgaactcc tggactatat tgtgaacgag ccacctcta agctgtccaa cgggtgtgtc  
120acctccact tccaagagtt agacaataaa agcctcatca agaaccatc ggagcgagct  
180gacctgaag  
189

<210> 3282<211> 392<212> DNA<213> Homo sapien  
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60gcacggaagg ccagctaga aaaccacgaa ccggaggagg aagaggaaga ggagatggag  
120acagaagaga aagaagctgg gggctcagat gaggagcagg agaagggcag cagcagtga  
180aaggagggca gtgaagatga gactcgggc agcgagagt aacgggagga aggtgacagg  
240gacgaggcca gtgacaagag tggcagtgg gaggacgaga gcagcgagga tgaggcccg  
300gctgcccgtg acaaagagga gatctttggc agtgatgctg attctgagga cgatgccgac  
360tctgatgatg aggacagagg acaggcccaa gg  
392

<210> 3283<211> 170<212> DNA<213> Homo sapien  
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120ccgcacacat caaccgctgc caggtgtgca tgaagaacct gtgagccgga

170  
<210> 3284<211> 158<212> DNA<213> Homo sapien  
cctnacan an aacttaactg gcagcaagag acggctacaa actcctaagg aaaaggccca  
60ggctctagaa gacctggctg gcttttaaaga gctcttccag acacgaggtc aactgagga  
120tcaatgacta acgataatac tgccaaagta gcctgcaa  
158  
<210> 3285<211> 153<212> DNA<213> Homo sapien  
ccaanaacag attgctgaat tcaaggaagc cttctcccta tttgataaag atggcgatgg  
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120agctgaattg caggatatga tcaatgaagt gga  
153  
<210> 3286<211> 350<212> DNA<213> Homo sapien  
acctagccag ccaacataac atgccttacc ttcctagaac gaaccaccgc tataacgcag  
60accgaaagac gctttattcg cgcacctggg gaagctattg ctccatttgg agccctata  
120agccgcgaca atccagggag caacacctat agccttcatt acatcgttca acttcacttt  
180gaggtatgct acgtagaaat agatcatgga gccaaagtga gtgcactttg tcaaagttaa  
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300aagaaaaaaa aaaagttatg tttcttgtca aatgcagaaa tgttccttcc  
350  
<210> 3287<211> 162<212> DNA<213> Homo sapien  
agctcggctt ttatcttctt ccgtaccact tgacaacat ggggccctgg tcttctgtac  
60tcaggggctg gtctcccaga gatgggcaaa agccagcttg cccgttttct ttatgcttca  
120agagaaaacc ctccttctgg gtccagactc tgggtggagt gt  
162  
<210> 3288<211> 184<212> DNA<213> Homo sapien  
cacacatgcc tcatataagt gaatgcttga tgaaaagaag tttaaaacc accgacctga  
60gagacatgac tattgggcag ctacaagtga tagtcaatga tctccattcc cagatagaag  
120cttgaatgaa gagttgggtc agctgcttct catccgagat gagctgcaca cagagcanga  
180tgcn  
184  
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cgcactaaga tgttgggata actttcccaa ctccaagttc cagcgaggct aaattggaag  
60agaacagtga tgtgacttct tggtcagaag aaaaacgtga agagaaaatg ctctttaccg  
120gttattctga ggacagaaag ttaaaaaaga acaagaagaa ttcccatgaa ggagtttcct  
180ggtttgtt  
188  
<210> 3290<211> 383<212> DNA<213> Homo sapien  
cgttgctgtc gcacacacct gtaatcccag ctaccgggga ggctgaggca ggagaatcgc  
60tagaacctgg gaggcggagg ttgcagtcag ccaagatagc accactgcac tccaggctgg  
120gtgacagagc gagactccat gtcaaaaaaa aaaaaaagg gggaaactcaa attttctttt  
180ttaaggtaat ccccaaaatt ttctccaaaa aaaaaatggt ggtttggtat tttgaaactt  
240aaaagcagct atgggtaaat ttctgaaata tagcaggaga ccaaaacatg tttggaaaga  
300gaataaatat ttgaagagag acgggtggtt ttattttcaa tgtatggaat atattaaact  
360actattttatt ttctgagggg agg  
383  
<210> 3291<211> 158<212> DNA<213> Homo sapien  
ctttcaagac agcctccctt tattgaattg gcattagga ataaacaagc ctttaaactg  
60gataaaaagat caaaaacctg gttagacatg ccagcctttg caaggcaggt tatgtaccaa  
120agactaacct ccaagtggct ttatggacgc tgcatatg  
158  
<210> 3292<211> 378<212> DNA<213> Homo sapien  
ggcacgaggc aagaatggcc agattctcct ctgggaccca agcacaggga agcaggtggg  
60caggaccctc gctggccaca gcaagtggat cacaggcctg agctgggagc cctccatgc  
120gaaccttgag tgccgctatg tggccagcag ctccaaggat ggcagtgtgc ggtctggga  
180cacaactgca ggccgctgtg agcgcactct caccgggcac acccagtcgg tcacctgtct  
240ccggtgggga ggggacgggc ttctctactc tgctccag gaccgcacca tcaaagtctg

300gagagctcat gacggtgtgc tgtgccggac tctgcaaggc cacggccact gggatgaacac  
360catggccctc agcactga

378

<210> 3293<211> 342<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggaa acaccgcagt attgtccaaa ttatttatga  
60tgagaatcgg aaaaaagcag aagaagctca taaaattttt gaaggtcttg gcccaaaagt  
120tgaactgcca ctgtataacc agccatcaga taccaagggtg taccatgaga acatcaagac  
180tggagtagcct gcaaggcgca tgatgaaaaa ccagggtgatg aggaaaaaac tcattttatt  
240tttttaaaaga agaaatcatg catgaaaaca aagggaacaa aaaatctgcc agcgttatga  
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342

<210> 3294<211> 396<212> DNA<213> Homo sapien

ggcggctcagg cgccgcttct ggggagaggc ctttcttttc cctccctcc cggttcgggtg  
60gcgccggctc ctccactgg ggggggggag ggacggatat cttaaacatc aaccgccata  
120gagaaaaata ctgccaaacc caaatgaca taacaagtac catcaatggg tccagccatt  
180gccttttgaa actatagacc tggaattcaa agtggaggaa ccattgaaca aaaggctatt  
240aagcggctac caggcctgaa ttttgatgat aatggaaaaa ggaacaacaa atttttgagg  
300agggagaag atcagatttc aaacgaaaag gcacatactt gcctatgcta attataaaca  
360caagctctac cgataaatac agacatgcca ccaaat

396

<210> 3295<211> 187<212> DNA<213> Homo sapien

cattctcgag ggagcgcgag gaatgcctcc gcatgagatc aagtttgctg tccatgtcta  
60atcgggtgctc aaccgcgtgc cgcagcccga ataccggcag ctgctggagg aagccatcat  
120ggagctgacg ctgctctcgg acacggagat gaccagcatc gggggcatca tccacgtgga  
180ccagatc

187

<210> 3296<211> 163<212> DNA<213> Homo sapien

aaccttcaac ctgcgcatca ncttcccgcg ggagtatccg ttcaagcctc ccatgatcaa  
60attcacaacc aagatctacc accccaacgt ggacgagaac ggacagattt gctgcccac  
120atcagcagtg agaactggaa gccttgcacc aagacttgcc aag

163

<210> 3297<211> 156<212> DNA<213> Homo sapien

cattgccatc caccgtggga tgccccaaga ggagaggctt tctcgggtatc agcagtttaa  
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120gcgggtgaac attgctttta attatgacat gcctga

156

<210> 3298<211> 345<212> DNA<213> Homo sapien

tactgctgct agaagacgac agaaggggat agtgacgacc tcaagcggca gagtgccttt  
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120taccctctct cagacaacag cctctacacc aacgccaagg gcagcaccat ctctgccttc  
180gatgggggag gtgtgggagg ttttttatcc tttctccgta tgacttcaca ccagatgcta  
240tctgcctctg gtacgaatt tctcatttcc tgacaatccg aaaatactat tagttttacc  
300ccgtcagcta atcctttctt catcgagtgc cataccccca ctacg

345

<210> 3299<211> 422<212> DNA<213> Homo sapien

ggcgcgaggt ggctaccata acgtgccgac tattgacatc cacatgaacc acatcggtt  
60tgagcgggag tggcacaat tctgtctgga gtacattgcy cccatgacag agaagctcta  
120ccccggctac tacaccaggg ccaggttga cctggccttt gtcgtccgct acaagcctga  
180tgagcagcac tttggccagt ggtctgtgtg cagcaacaag gacaaccact gccagcagc  
240ctctgggacc tctgtgtccc agggaaacca gtccagactc ctggctgttg acttcccatt  
300gctcttggag ccaccaatca aagagattca aagagattcc tgcaggccag aggcggaaca  
360cacctttatg gctggagctc tccgtggtga tctggacca gcctctggag acaccattca  
420ct

422

<210> 3300<211> 182<212> DNA<213> Homo sapien

actattacc ctagaggtag aactgtgacc cctacaaagg aaactgtatc ccttggaag



60cacacatgag ctctaggaga gaaaactgag atcactgggg caatgaccat gacttctgtg  
120gtcatcagtc catgaccctt ggagagaaag ccttgacccc tgtgggtatc aatctgtgac  
180ca

182

<210> 3301<211> 391<212> DNA<213> Homo sapien

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60caattgccaa aagtgctagg tggcgacagt gctatgaggg ccttcagaa cacggcaact  
120gcatgtgcac cagtatcaca ttatcgagct gttgaaagtg tggattcaag tgaagaaagt  
180ttttctgatt cagatgatga tagctgtctt tggaaacgca aacgacagaa atgttttaac  
240cctcctccca aaccagagcc ttttcagttt ggccagagca gtcagaaacc acctgttgct  
300ggaggaaaga agattaacaa catatggggt gctgtgctgc aggaacagaa tcaagatgca  
360gtggccactg aacttggtat cttgggaatg g

391

<210> 3302<211> 380<212> DNA<213> Homo sapien

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60tttccctttct ctggactctg tgcagccctt gccctccctc ggggtgctgct ggcctcaaag  
120gaggaactcg tggcgggagg tgtggaatta ttcacctaag cctgacctt tgtttagttg  
180acagcattgc tttctgtgtt gccaatcttg gctcatatga gatgcataag aatgagctcg  
240agccttctc cttttgtctt cggatatatt ctccctcttg ggaacatgag tccacttcga  
300actgcttctt gtatgtttgt ccagctgtat tggcaacttc tgcataagga tcatgagtct  
360gtggaggcac cgacttctc

380

<210> 3303<211> 175<212> DNA<213> Homo sapien

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60acagctatcg ccagtcgtcg gccacgtcgt gcttcggagg cctgggcggc ggctccgtgc  
120gttttggggc gggggtcgcc tttcgcgcgc ccagcattca cgggggctcc ggcgg

175

<210> 3304<211> 356<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtaa cagggattct tcacattcta atctcctga  
60gtcaaactct gatcctgtcc actcagagtt ctgaaggggg ccagatgttg ggtgcagatg  
120tagaagcagc cagtcacaga ccattctat gcaatggaca tttatttgaa aaaaattctc  
180aaaagttttt tttttttttt tggggggggg ggggttttaa gctgttttta cctccgagac  
240tccactttta agggaccag ggaattaagg catataaaat ttaccccccc aagattaaaa  
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356

<210> 3305<211> 170<212> DNA<213> Homo sapien

atggataaga acaagatggg ctgaaaggc cttttgaaga cccaatagc agccgggcac  
60ccatctatga atttactgct gcgcagaaca ttgaccttt actcgaatgt ccgacctgt  
120gttttctatcg aaggctatac aacccttac accgatgtaa atattgtgag

170

<210> 3306<211> 413<212> DNA<213> Homo sapien

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120tcagacatca gagaattcat agtggggagg aaccttatca gtgtaatgaa tgtggcaaaa  
180ctttcaaaaag gagctcagcc cttgttcagc atcagagaat tcattctggg gatgaagctt  
240atatatgtaa tgaatgtggg aaggctttca ggcacagatc ggtccttatg cgccatcaaa  
300gagtccacac tataaagtaa tttgtgaata ctgtgaatag tgtaaatact tcagtcagat  
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413

<210> 3307<211> 402<212> DNA<213> Homo sapien

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120ggacagtcac tcattccaag gagcttatgg gctggccctc aagggtggcca caccgccacc  
180cagtggccag ccttggaag gggacccgt ggaacagctg gtccgccatt tctcatcga  
240gactgggccc aaaggggtga agatcaagg ctgccccagt gagccctact ttggcagcct  
300gtccgccttg gtctccagc actccatctc ccccatctcc ctgccctgct gcctgcgcat

360tcccagcaaa gatcctctgg aagagacccc agaggctcca gt  
402

<210> 3308<211> 388<212> DNA<213> Homo sapien  
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60agctgtaccg tgggtcgatg actagtagca tggagcgaga ttttgacgt ggtgatattg  
120gaataaatcg aggcttttga gattcctttg gtagacttgg tgggtggaatg ggtagcatga  
180acagtgtgac tggaggaatg gggatgggac tggaccggat gagttccagc tttgatagaa  
240tgggaccagg tataggagct atactggaaa ggagcatcga tatggatcga ggatttttat  
300cgggtccaat ggaagcggga atgagagaga gaataggctc caaaggcaac cagatatttg  
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388

<210> 3309<211> 387<212> DNA<213> Homo sapien  
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120acattattgc gcgtggaacg gctgcttttg gaagactatt gccagaaga aaagatgttt  
180ggttttcaca agccaaagat gtaccgaagt atagagggct gctgtatttg cagagctaag  
240tcctccagtt ctcgattcac tgacagtaaa cgctatgaaa aggacttcca gagctgtttt  
300ggattgcatg agactcgttc aggagacatc tgcaatgcct gtgtcctgct tgtgaaaaga  
360tggagaagt tgccagcagg atcaaaa  
387

<210> 3310<211> 422<212> DNA<213> Homo sapien  
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60aaccgcggccg tgggatcccg gataggagga ggaggggacc cataggacgc gttaacatgg  
120acctggaaaa caaagtgaag aagatgggct taggtcacga gcaaggattt ggagcccctt  
180gttttaaatg caaagaaaaa tgtgaaggat tcgaactgca cttctggaga aaaatatgtc  
240gtaactgcaa gtgtggccaa gaagagcatg atgtcctctt gagcaatgaa gaggatcgaa  
300aagtgggaaa actttttgaa gacaccaagt ataccactct gattgcaaaa ctaaagtcag  
360atggaattcc catgtataaa cgcaatgtta tgatattgac gaatccagtt gctgccaaga  
420an  
422

<210> 3311<211> 441<212> DNA<213> Homo sapien  
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60caactgcaga actgcaggag actatctttc tagacaaggc agttgaggag gaggagcgc  
120ttgaggggga ctggcctggc gtgcactccg cacctcgggg acattattgc gcgtggaacg  
180gctgcttttg gaagactatt gccagaaga aaagatgttt ggttttcaca agccaaagat  
240gtaccgaagt atagagggct gctgtatttg cagagctaag tcctccagtt ctcgattcac  
300tgacagtaaa cgctatgaaa aggacttcca gagctgtttt ggattgcatg agactcgttc  
360aggagacatc tgcaatgcct gtgtcctgct tgtgaaaaga tggagaagt tgccagcagg  
420atcaaaaaaa aactggaatc a  
441

<210> 3312<211> 382<212> DNA<213> Homo sapien  
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60aaccgactga cctggatagt agttgttctt cagtgtcttt ttccttggag ccactccttg  
120aataacagct acttttttgt atggttatga tcccaaacct gcaggaaatc ccactaaagc  
180atagttgtat actatcttta actggttttt cacgatgggg cactaggaat ctgcacatta  
240atcttgcaca gaggacttct acagagtctg agaagatata atcatgctga atctgatcat  
300actgtttttt aaaagttaa ggataagaca tgtgtatatg taacaaaaca cattgcatct  
360agaaatcaaa acttgaaagt ag  
382

<210> 3313<211> 385<212> DNA<213> Homo sapien  
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60cagcagatatt cgctattttg agatcacgga tgaatccccg tacgtccact acctcaaac  
120attcagcagc aaggagctc agagagggat gggttacatg cccaagaggg gacttgatgt  
180taacaaatgt gagattgcca gattcttcaa acttcatgag agaaagtgtg aacctattat  
240tatgactgtt ccaggaagt ctgacctttt ccaagatgac ctgtatcctg acacagcggg  
300gccagaggcc gcgctggagg cagaagagtg gttcgaaggc aagaatgcag acccaatcct

360catctccttg aagcacgggt acatt

385

<210> 3314<211> 456<212> DNA<213> Homo sapien

ncaggtaaac tagnnctntg cgnncngnca nnnngncaaaa ngcaggagacc catttattct  
60aattcggcac gaggggaggg gnnngaatta ggtttattgt gnccacgaaa acggggcnac  
120agaagaggtg aagatatttg ttggattaaa accaataaaa acaatcctgg gaagactaag  
180acttttagatc caaaggctgt ctttcagaga acaaaggaac actgcctcat ggggatcaaa  
240ggaactgtga agcgtagcac agacggggac ttcattcatg ctaatgttga cattgactta  
300attatcacag aagaacctga aattggcaat atagaaaaac ctgtagaaat ttttcatata  
360attgagcatt tttgtcttgg tagaagacgc cttcatctat ttggaagaga tagtacaatt  
420cgaccaggct ggctcacagt tggaccaacg cttacg

456

<210> 3315<211> 329<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggaagc gcccgaaccc gtcctatagc cggggcgctg  
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120acttggggct ggatatttag aaaataaagc attcgcataa tacaatgaac tcataatttg  
180gccggatgat ttgtaggcag ggacgtttta gtgtcggttt tacgagattc cttgatatat  
240tacagaatta gagtccagat ttacaccaa aaggaccccc ttttctct cgggaccacg  
300tgaccccgcc cacgtgacgt cccctccgg

329

<210> 3316<211> 414<212> DNA<213> Homo sapien

gaggtgtgca gcctgggaca gcaggagcgg gtccagcttc aggagtactg gcggaggggc  
60tgagcgttcc acgccaaagg tcagttcacc gggacctgga ggcccagatt gcgatcgtga  
120cggagaacca ggccctgcag cagcagcttc accaggagca agagcagctc tacctgaggt  
180caggtgtggt gtcctctgcc accttcgagc agccgagtcg ccaggtgaag ctgtgggtga  
240agatggtgac tccactgac aagaacttct tctgaggaca gacaggaatg gccttgatga  
300agatgacagg catggccggg gtcagctctt tcagccgcgc ttcagcgatg actccagtct  
360gggtgtccca gcgagccctt gcagggacag tatggctgag ggtcacgtgt gctg

414

<210> 3317<211> 380<212> DNA<213> Homo sapien

ggcacgaggg aaagggagac gtcatttgct actatgggaa ccgaggggag cctgatecta  
60tcgtttttgac gccaggcacc tacgggctga gcaacgcgct gctggagact ccttgaggga  
120agctgtgctt tgggaagcag ctcttccttg aggctgtgga acggagccag gcgctgcccc  
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240acccggccat cgaggaccag ggtggggagt acgtgcagcc catgctgagc aagtacgcgg  
300ctgtgtgctg gcgctgccct ggctacggca ccagaaccaa cactatcatc ctggtagatg  
360cggacggcca cgtgacctn

380

<210> 3318<211> 427<212> DNA<213> Homo sapien

taaaacagac agagataagt acaacagaat atctcgggaa tggactcaga agtatgccat  
60gtgatgctac cttaaagtca gaataacctg cattatagct ggaataaact ttaaattact  
120gttccttttt tgattttctt atccggctgc tcccctatca gacctcatc tttttaattt  
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240ccagcttttg acaataactg ctttttagaaa ctgtaaagta gttacaagag aacagttgcc  
300caagactcac aattttttaa aaaaaatgga gcatgtgtat tatgtggcca atgtcttcac  
360tctaacttgg ttatgagact aacaccattc ctactgctc taacatgctg aagaaatcat  
420ctgaggg

427

<210> 3319<211> 408<212> DNA<213> Homo sapien

ggcacgaggg tgagccaaga gcgcaccatt gcactccagc ctgggcgaca aaaacgaaac  
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120aagtcttggt tttatcttaa tccattaaaa agttgttctt tgtttccagc ttgcattgat  
180tgctacaaca tctaataatt ggctttcaca tttaaatggg tctgtgctaa tcaaaacttt  
240cgttggttatt attcattatg gtagaatcat ttttaattca cgtgctttgt gttcagtttt  
300gtggtctgag agatgtacca attgtcaaat taccgtgtac cacctaattg ttataggaga  
360aagcaaaata catcagcttg gtagttaaca catcanatat ttcttgct

408

&lt;210&gt; 3320&lt;211&gt; 393&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagaa ggtgttacag cacatgaagg ccgtgcaggc agatcatgag cggcagaggc  
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120aggaagctca tgagcgggaa ctgcggaagc gggagaaggc ggaagagaag gagcgccgga  
180gaaaggagta tgatgccctc aaagcagcca agcgggagca ggagaagaaa cctaagaagg  
240aagcaaatca ggccccgaaa tctaagtctg gctcccgctc ccgcaagcca ccaccccgga  
300agcacactcg ttcctgggct gtgctgaagc tgctgctgct gctgctgcta tttggtgtgg  
360cgggagggtt ggttgcttgt cgggtgacag agc

393

&lt;210&gt; 3321&lt;211&gt; 423&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagac gacttcttga acagaaaaca ctagaaagtc aaaaaaagaa gcaacaagat  
60gattctgatg aatatgatga tgacgactct gcagcctcaa cttcatttca gccacagcct  
120gttcaacctc agcaagggtta tattcctcca atggcacagc caggactgcc accagtacca  
180ggagcaccag gaatgcctcc aggcatacct ccattaatgc cagggtgttc tctctgatg  
240ccaggaatgc caccagttat gccaggcatg ccacctggat tgcacatca gagaaaatac  
300acccagtcac tttgcggtga aaacataatg atgccaatgg gtggaatgat gccacctgga  
360ccaggaatac cacctctgat gcctggaatg ccaccaggta tgccccacc tgttccacgt  
420cct

423

&lt;210&gt; 3322&lt;211&gt; 397&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt tccacgcaa aggcctctgt ttgtacctgg cgttttcagc ctgcctgtc  
60tcacgctgat tggctctcct aattttgggt acaggctcagt tcaccgggac ctggaggccc  
120agattgcgat cgtgacggag aaccaggccc tgcagcagca gcttcaccag gagcaagagc  
180agctctacct gaggtcaggt gtggtgtcct ctgccacctt cgagcagccg agtcgccagg  
240tgaagctgtg ggtgaagatg gtgactccac tgatcaagaa cttcttctga ggacagacag  
300gaatggcctt gatgaagatg acaggcatgg ccggggtcag ctctttcagc cgcgcttcag  
360cgatgactcc agtctgggtg tcccagcgag cccctgg

397

&lt;210&gt; 3323&lt;211&gt; 398&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggatccatcc tacagatgca tctagaata cgcttccaca cgggtcttgc  
60ggatgcccac ctctactgtt tgaaaaaata catcgaggat ttgctaattg aaaacgggtc  
120aataacttct atccggagtg aactgatttc atatttagtg agaaaacagc tttcctcagc  
180ttcctcacia cagggacgca gaacaaaaag aggaggatct agagaaaaag gagctgaact  
240ccttatatat atacagtttt ataaaagaag ccaatacact gaacctggct ccctatgatg  
300cctgctggaa tgctgtcga ggagacaggt ggggaagactt gtccagatca catgtgcgct  
360gctatgtcca catcatgaaa gaagggtctt gctctcgn

398

&lt;210&gt; 3324&lt;211&gt; 399&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt tcgttggcg gtgctgggtt ttcgctcgtc gactgcggct cttcctcggg  
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120aatggccccg accaagcaga ctgctcgtaa gtccaccggt gggaaagccc cccgcaaaca  
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399

&lt;210&gt; 3325&lt;211&gt; 439&lt;212&gt; DNA&lt;213&gt; Homo sapien

ccttttgata agnttcgacg acncccagca ggancccatg gactcgaatt cggcacgagg  
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120ggcagtacta cgagatgctt tacaacacag ctgacgagct cctgaacctg gtggtggacc  
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300tctgcgagca ggctgccatc aagcaagcca ccaaggacaa gaagataact accgttttagc  
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420atgttattga ggatattct

439

&lt;210&gt; 3326&lt;211&gt; 429&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagct ctactcaata gtccccccag ctttgtgtgc tggctctggg gcttcatgga  
60gatgaatggg cgggggggagt tgggtggagtc actcaagaga ttctgtgctt ccacgaggct  
120tccccccact cctctgctgc tattccctga ggaagaggcc accaatggcc gggaggggct  
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240agttcagaga cccctgggtct ctgtgacggg gtcagatgcc tcctgggtct cagaactgct  
300gtgggcactt ttcgtccctt tcacggngta atcaagaaag gtggcttcgt ccctgtcatc  
360gccactaag ggaagccaat gaggagggtg cacttcgtgt accacaactt gtggcccaag  
420aattggccc

429

&lt;210&gt; 3327&lt;211&gt; 449&lt;212&gt; DNA&lt;213&gt; Homo sapien

tgtggatccc agcattcaat tccgtgctgt cgaaacaagc cctgaagttt gcatgagatg  
60cttcaaactg aaggcagcca gtgtgctaaa acatttataa atctgatgac tcatatctgc  
120aaagaacaga ccgttcagta tataactaact atgggtggatg atatgctgca ggaaaatcat  
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240tttctgccaa tgttgaatcg ccaggatccc ttcactgttc atatggcagc aagaattatt  
300gccaagttag cagcttgggg aaaagaactg atggaaggca gcgacttaca ttactatttc  
360aattggataa aaactcagct gagttcacag aaactggcgt gtancggtgt tgctgttgaa  
420acaggaacag tctcttcaag tgatagttt

449

&lt;210&gt; 3328&lt;211&gt; 398&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggc tcttcacct cagtcaggtc ccaaccactg taaagacctc tggggacggc  
60tgacccaagg ctggataaat ccataggtgc tgccagccca aggccccagt cactggagaa  
120aacctcagtt cccactggcc tgagacttcc gccgccagac agactgctca ttactagcag  
180tcccaaacc cagacttcag acaggcctac tgacaaacc catgcctctt tgtccagag  
240actcccacct cctgagaaag tactatcagc tgtgggtccag accctttag ctaaagaaaa  
300agcactgagg cctgtggacc agaatactca gtcaaaaaat agagctgctt tgggtgatga  
360tctcatagac ctaactctc gccagaagga gcgggcag

398

&lt;210&gt; 3329&lt;211&gt; 426&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagct ctactcaata gtccccccag ctttgtgtgc tggctctggg gcttcatgga  
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426

&lt;210&gt; 3330&lt;211&gt; 399&lt;212&gt; DNA&lt;213&gt; Homo sapien

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300agaccacag tttgctgaag attacattt taaagctgta atgcttccag gagcaagaaa  
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399

&lt;210&gt; 3331&lt;211&gt; 402&lt;212&gt; DNA&lt;213&gt; Homo sapien

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402  
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372  
<210> 3333<211> 436<212> DNA<213> Homo sapien  
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420ttagagtttt tcagct  
436  
<210> 3334<211> 377<212> DNA<213> Homo sapien  
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377  
<210> 3335<211> 408<212> DNA<213> Homo sapien  
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408  
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300agtatgaaaa tgaaggacaa cgaatcaatg caagaaaagc agcaagggag cagaggaagt  
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420t  
421  
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455

<210> 3338<211> 417<212> DNA<213> Homo sapien

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180cctgcccctg gagcatgtgg ctggggaccg gtgcatccac gaggacctgc tagggctgac  
240cttccggatc tctccacacg ctttcttcca ggtgaacaca cccgcagccg aggtgctcta  
300cacagtcac caggactggg cccaattgga tgcggggagc atggtgctgg acgtgtgctg  
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417

<210> 3339<211> 414<212> DNA<213> Homo sapien

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240agaccatgtc aaacattata aaattcgcaa acttgacaat ggtggatact acattaccac  
300ccggggcccag tttgaaacac ttcagcagct tgtacaacat tactcagaaa gctgatgggt  
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414

<210> 3340<211> 387<212> DNA<213> Homo sapien

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120gtgcggtgaa tgtggtagac tgcttcttct atgatggcat caaagccatc ttccagctgg  
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387

<210> 3341<211> 415<212> DNA<213> Homo sapien

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120atgggggtacc agggcccctg gtgcactgac tgcattggag gctacttcag ctgcctccgg  
180aacgagaccc acagcatctg cacagcctgt gacgagtcct gcaagacgtg ctccgggctg  
240accaacagag actgcggcga gtgtgaagtg ggctgggtgc tggacgaggg cgctgtgtg  
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415

<210> 3342<211> 398<212> DNA<213> Homo sapien

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120ccagctggac cgctccatca aaggactgaa ggagcatttc cataagagca gttcttctc  
180tgggggtccc tactcccctg ctatcccca caagaggaaa gacacaccta ccaagaagcc  
240agtcaagcgg ccaggagag atgacatgct ggacgtggag accgatgcct acatccactg  
300cgtcagtgcc ttcgtcaagc tggcgcagag cgagtaccag ctgctggccg acatcatccc  
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398

<210> 3343<211> 374<212> DNA<213> Homo sapien

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120ttctgccata acgagcgggt ggtcctgacg ggggactgga aacatggctt cttctcactg  
180acagctgtgg gggccaccaa cgtgggctcc attcgcatct actttgaccg ggacctgcac  
240acaaacagcc caaggcacag caagggtcc tacaatgact tcagcttcgt gacgcacacc  
300aatagagagg gcgtccccc atgcgttaaggg gagcacctgg gcgagttcaa cctgggctcc  
360accatcgtgc tcat

374

&lt;210&gt; 3344&lt;211&gt; 405&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagcc accaggaaga tgtgatctac ctgcacctcc cactctacca catgtccggt  
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240aagggtccggc tggcagtggg cagcgggctg cgccagata cctgggagcg ttttgtcgg  
300cgcttcgggc ccctgcaggt gctggagaca tatggactga cagagggcaa cgtggccacc  
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405

&lt;210&gt; 3345&lt;211&gt; 425&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagct tacacctgat ggcaccaggt aatttctgac atttgaagtc ccacttaatg  
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120cagatttggg aatctttgtc aagtccatta ttaatggagg agcagcatct aaagatggaa  
180ggcttcgggt gaatgatcaa ctgatagcag taaatggaga atccctgttg ggcaagacaa  
240accaagatgc catggaaacc ctaagaaggt ctatgtctac tgaaggcaat aaacgaggaa  
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425

&lt;210&gt; 3346&lt;211&gt; 410&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagct ctgattcctt caacgaggac atcgtgcct ttgccaagca gggtcgtct  
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410

&lt;210&gt; 3347&lt;211&gt; 408&lt;212&gt; DNA&lt;213&gt; Homo sapien

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408

&lt;210&gt; 3348&lt;211&gt; 417&lt;212&gt; DNA&lt;213&gt; Homo sapien

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417

&lt;210&gt; 3349&lt;211&gt; 426&lt;212&gt; DNA&lt;213&gt; Homo sapien

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426

&lt;210&gt; 3350&lt;211&gt; 461&lt;212&gt;\* DNA&lt;213&gt; Homo sapien

ttgttctttt cgaggannnc agggatgtca attccgttgc tgtcggccta aaacacttca  
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360tttatttgtt tgggtggctgg gatggaacac aagatcttgc tgacttctgg gcgtacagtg  
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461

&lt;210&gt; 3351&lt;211&gt; 419&lt;212&gt; DNA&lt;213&gt; Homo sapien

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60taccgatgct gagtgtgttg aatgtgaacg aggcgtgtgg gaccatggag gcagaatatt  
120cagttgttct ttttgccata actttctctg tgaagatgat caatttgagc atcaagccag  
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419